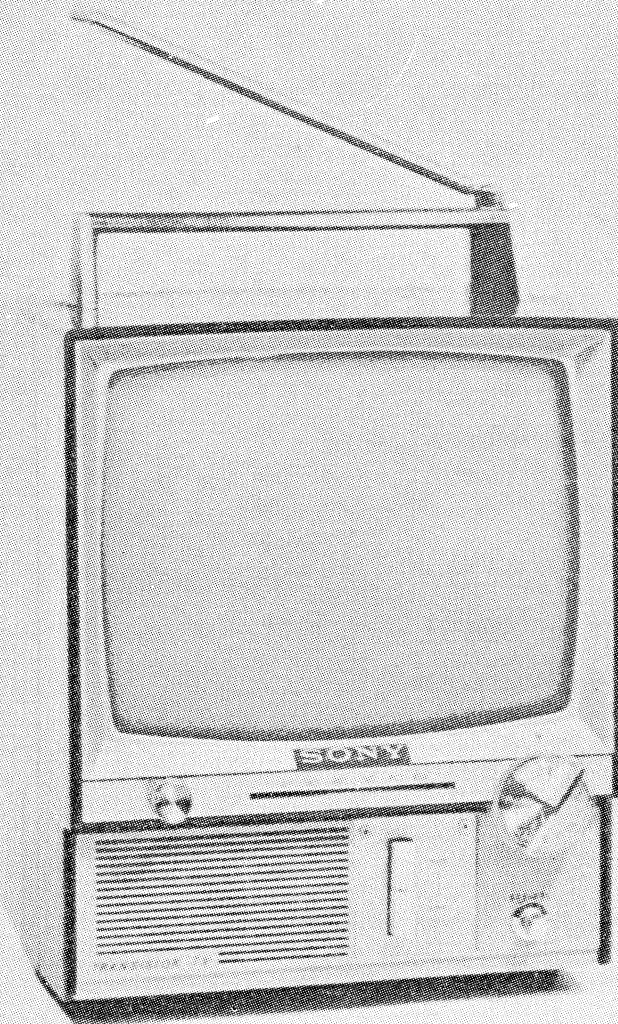


# TV 9-306LB



## Specifications

Picture Tube :	9", 90° Deflection, Aluminized Screen		
Transistor :	30 ( 6 Silicon-including 5 Epitaxial, 24 Germanium )		
Diode :	21 ( 9 Silicon-including one Esaki Diode )		
Channel Coverage :	British VHF Channels 1~13 British UHF Channels 21~69		
IF Circuit :	3 Stages with 4 Stagger Tuned Elements		
Separate-Carrier System :	Video Bandwidth ; 2.5 Mc/-3 dB		
	British VHF (405 lines)	Video IF (AM)	Sound IF (AM)
		34.65 Mc	38.15 Mc
Intercarrier System :	Video Bandwidth ; 3.5 Mc/-3 dB		
	British UHF (625 lines)	Video IF (AM)	Sound IF (FM)
		39.50 Mc	33.50 Mc
Resolution :	VHF ( Vertical 300 lines, Horizontal 250 lines ) UHF ( Vertical 400 lines, Horizontal 320 lines )		
Sound System :	Separate System (VHF) and 6.0 Mc Intercarrier (UHF) Systems Power Output Stage ; OTL System, 300 mW Speaker ; 2-3/4" X 4", 40 $\Omega$ Voice Coil		
Automatic Control :	Diode AGC, Diode AFC, SYNC ANS ( Automatic Noise Suppressor )		
Power Requirement :	AC 240 V, 50 or 60 c/s, 12 V Battery (3.5 AH)		
Power Consumption :	AC 23 W, DC 15 W (1.25 A)		
Dimensions :	10-1/4" (H) X 8-5/8" (W) X 7-5/8" (D)		
Weight :	12 lbs.		
Glare Proofing :	Smoked Filter, 70% Transparency		

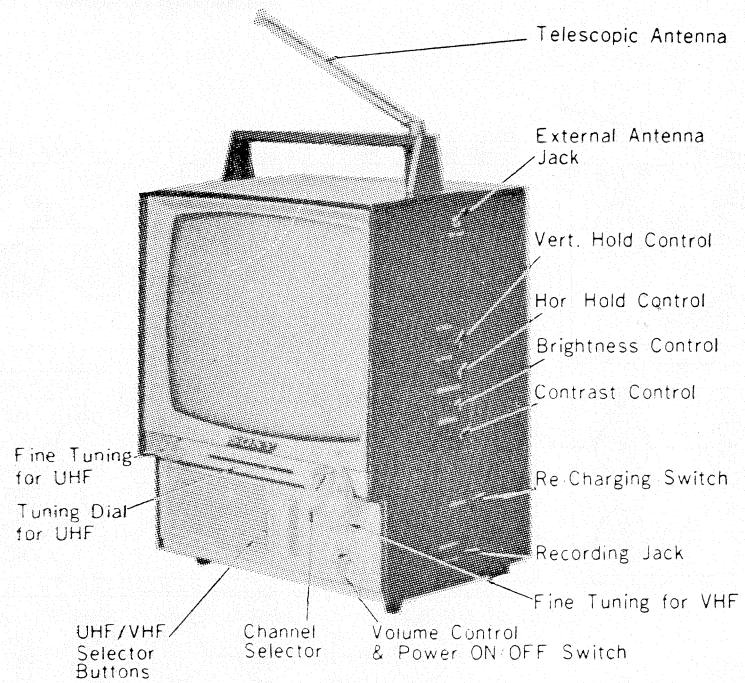
# SONY®

## SERVICING GUIDE

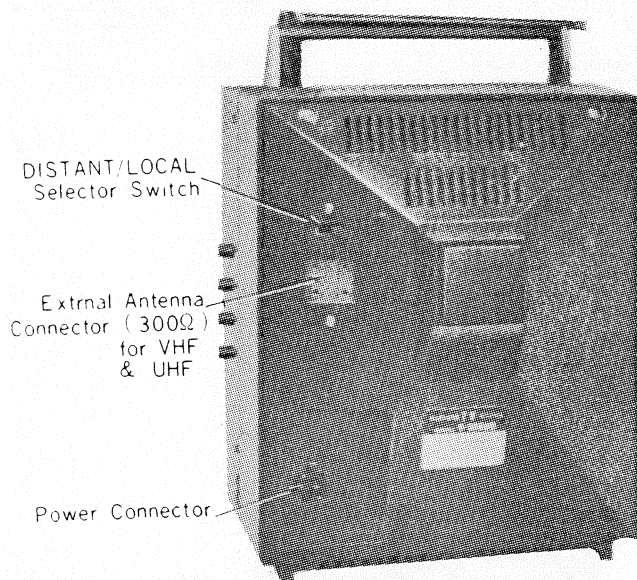
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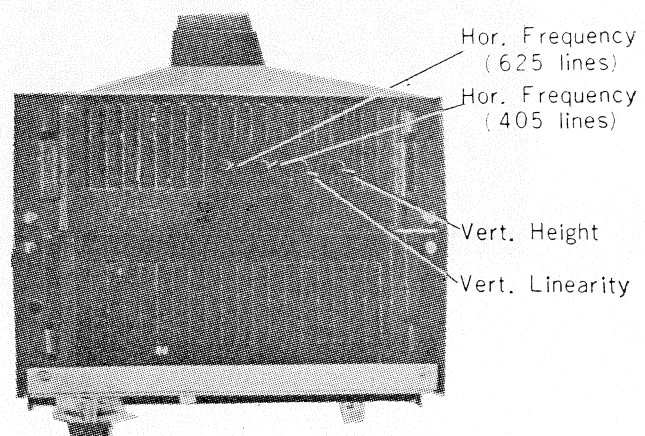
## External View



(Fig. 1)

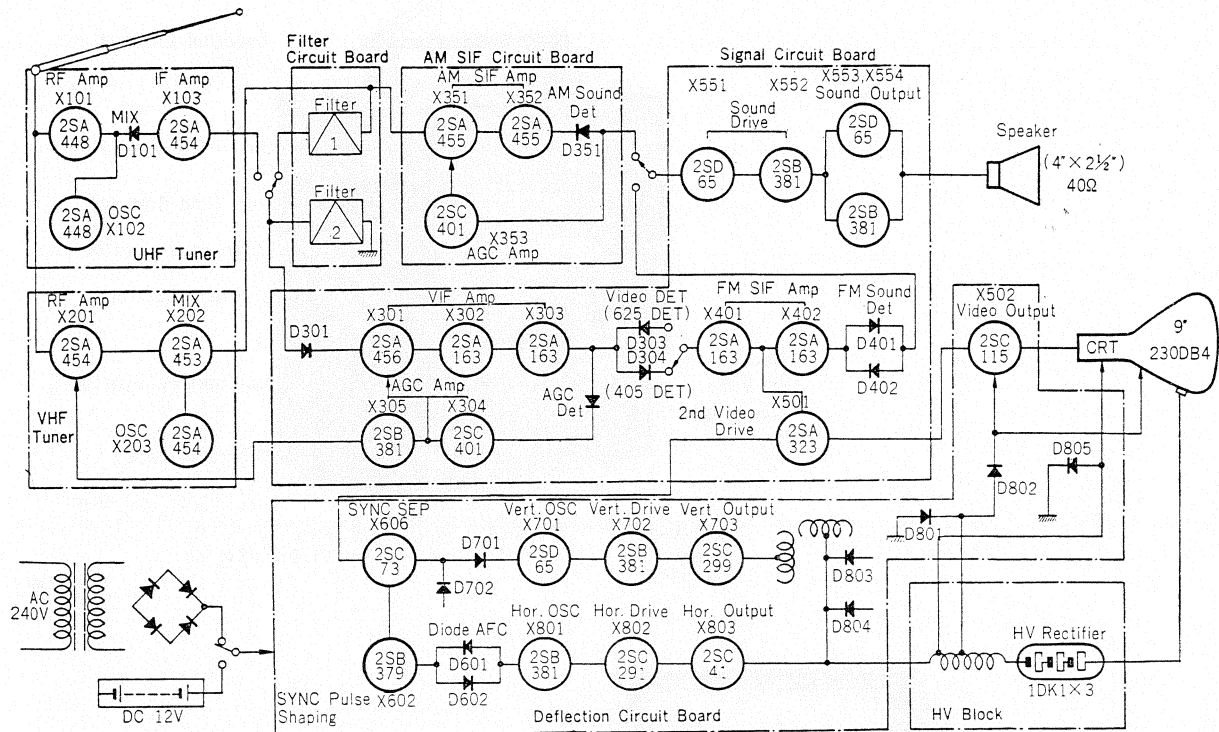


(Fig. 2)



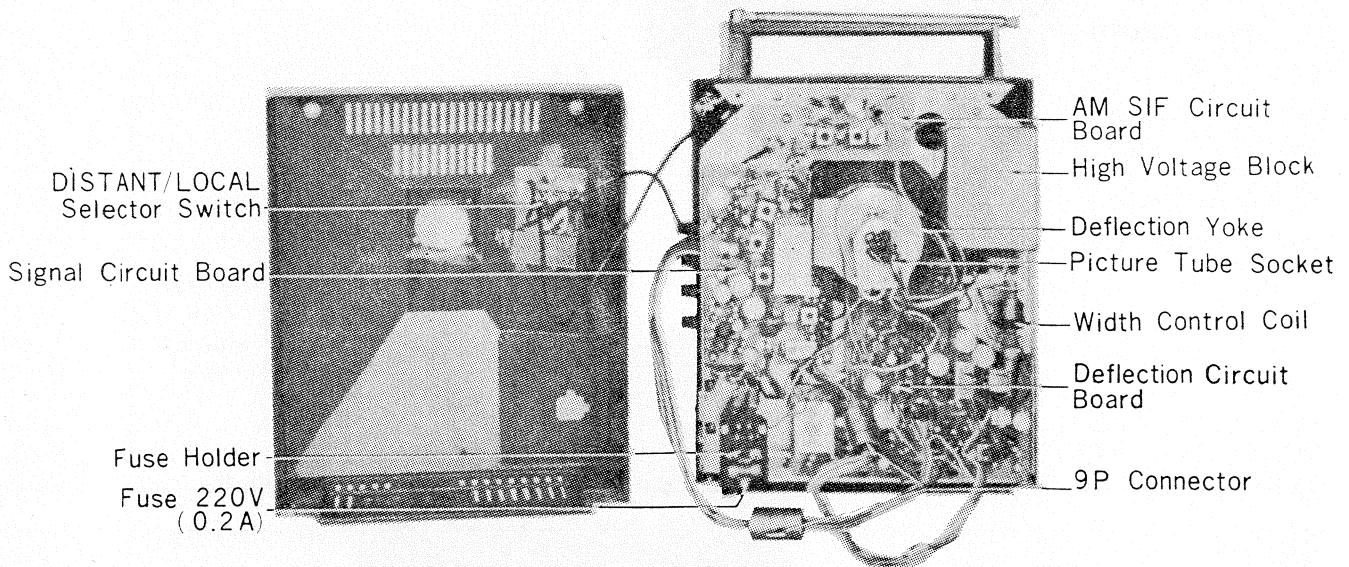
(Fig. 3)

## Block Diagram



(Fig. 4)

## Major Parts Location



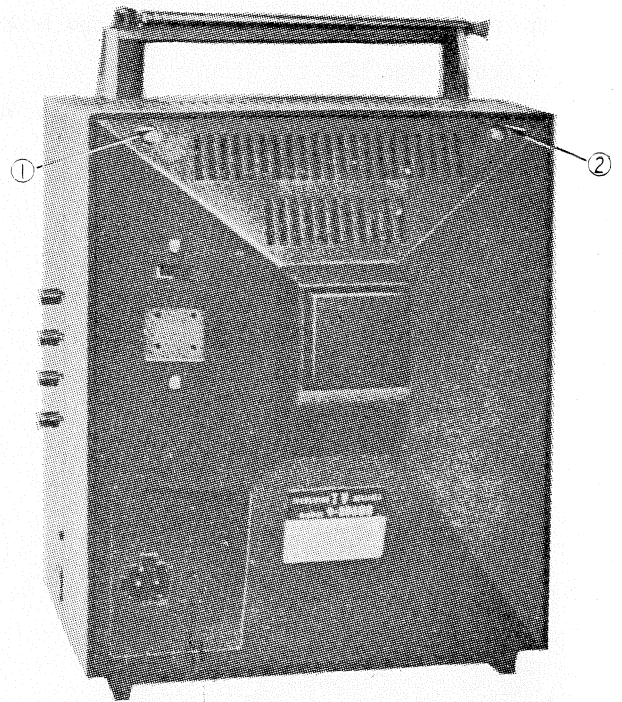
(Fig. 5)



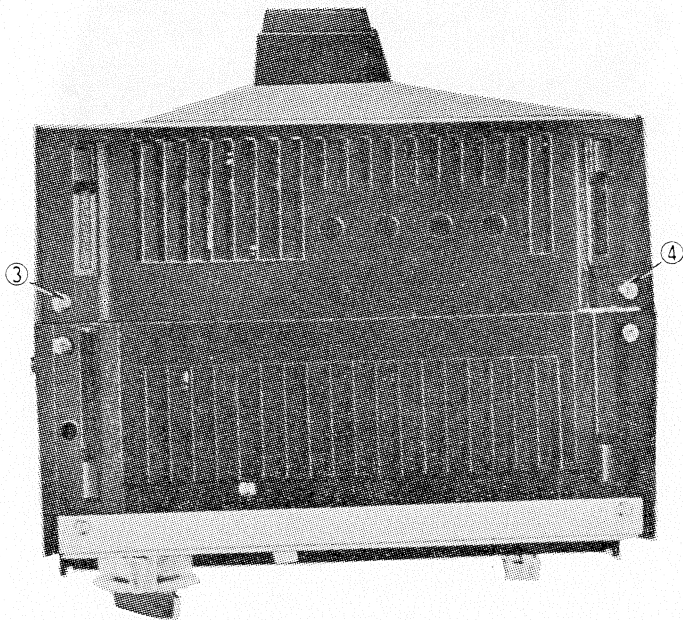
## Method of Disassembling the Set

### To Remove the Back Cabinet Cover

- 1) Remove the four Screws. (①, ②, ③ and ④ in Fig. 6 & 7)
- 2) Lift a Back Cabinet Cover straight up.



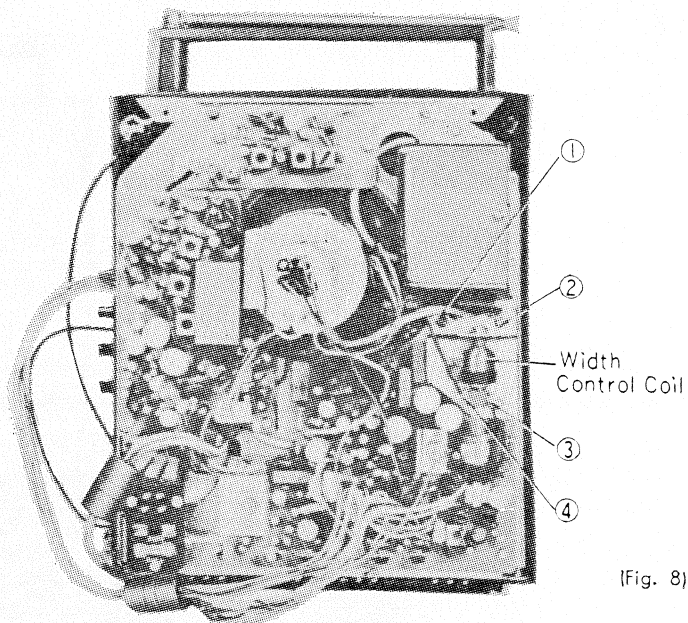
(Fig. 6)



(Fig. 7)

### To Remove the Width Control Coil

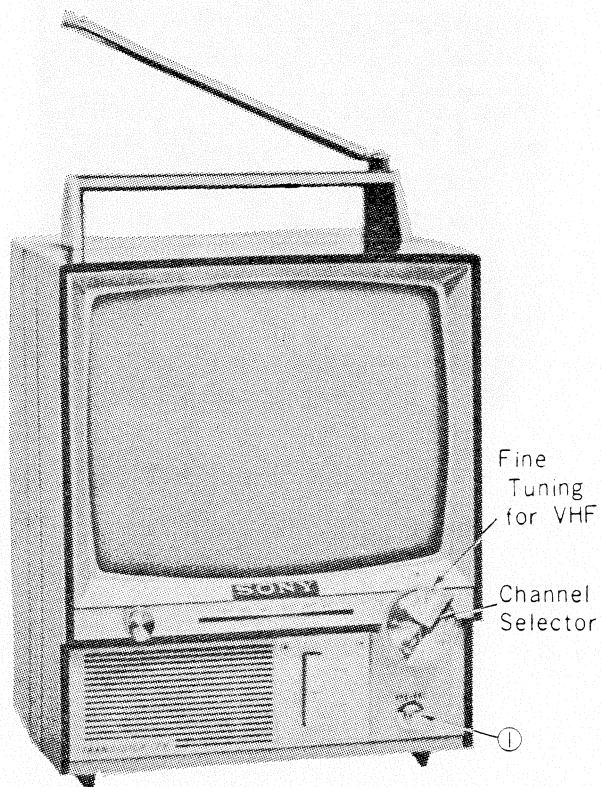
- 1) Remove the Back Cabinet Cover.
- 2) Remove the two Screws. (①, ② in Fig. 8)
- 3) Unsolder the Green lead and the Black lead. (③ and ④ in Fig. 8)



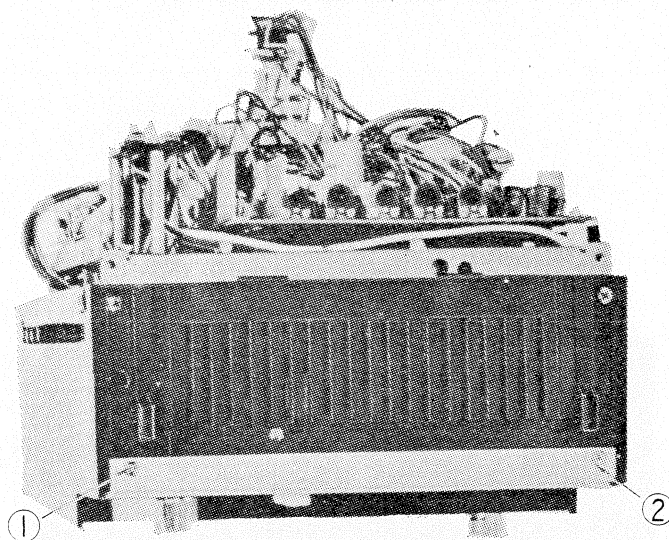
(Fig. 8)

### To Remove the Front Control Panel

- 1) Pull out Volume Control Knob, ① and remove the Channel Selector Knob by pulling the Fine Tuning Knob out. (Fig. 10)
- 2) Remove the two Screws. (①, ② in Fig. 9)



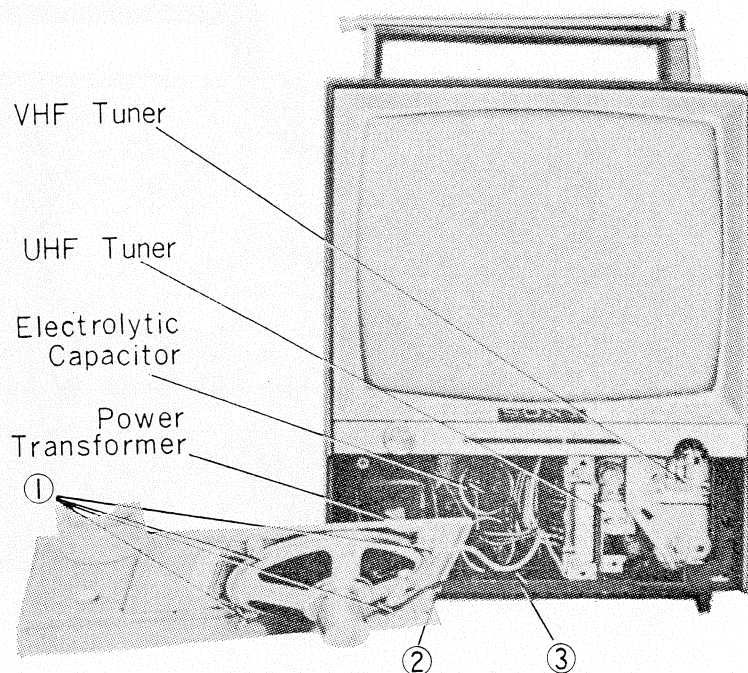
[Fig. 10]



[Fig. 9]

### To Remove the Speaker

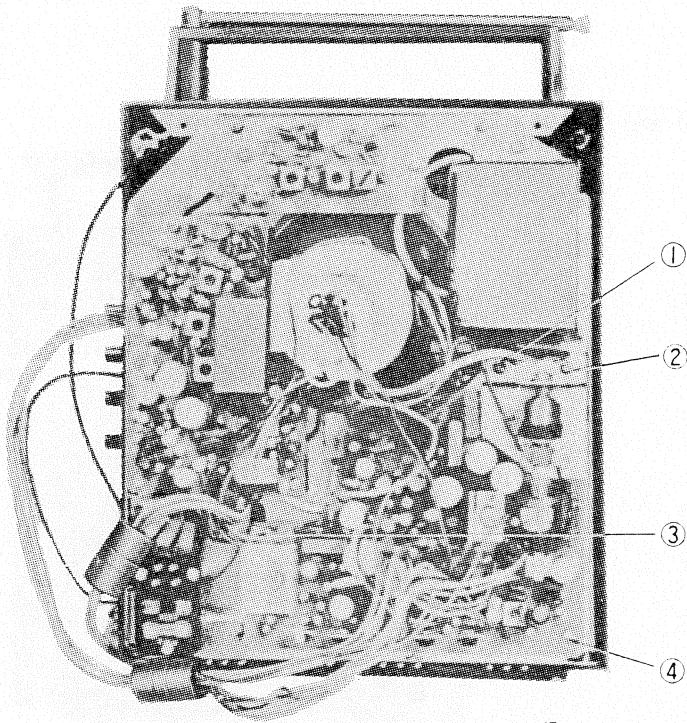
- 1) Remove the Front Control Panel.
- 2) Remove the four Screws. (① in Fig. 11)
- 3) Unsolder the Black lead and the Gray lead from the Speaker. (② and ③ in Fig. 11)



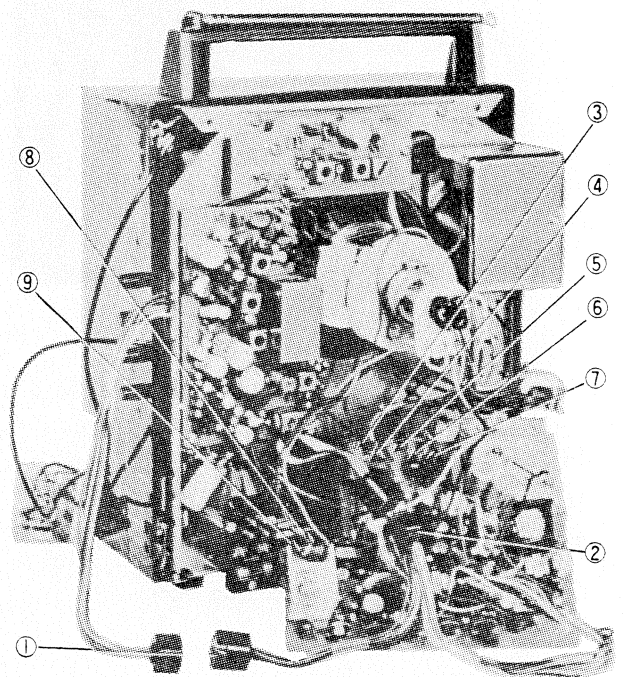
[Fig. 11]

### To Remove the Deflection Circuit Board

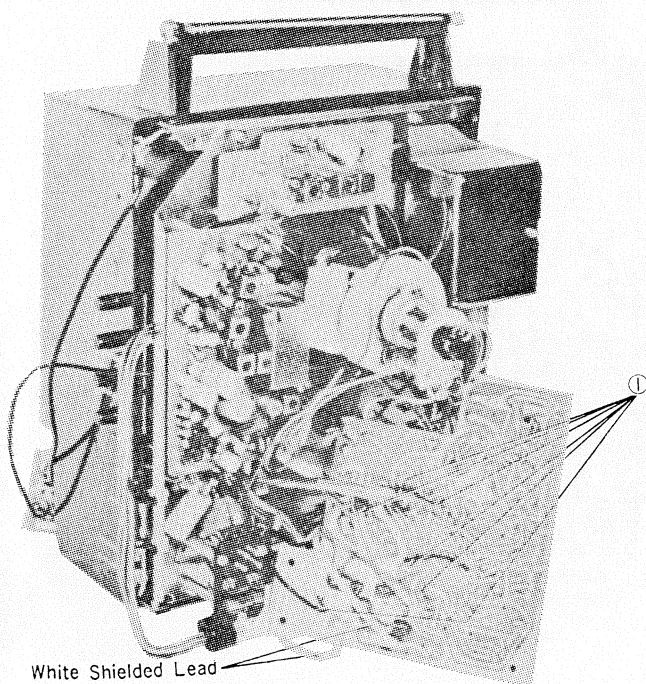
- 1) Remove the width Control Coil.
- 2) Remove the four Screws. (①, ②, ③, and ④ in Fig. 12)
- 3) Pull out the two 9P Connectors. (①, ② and seven Connectors ③, ④, ⑤, ⑥, ⑦, ⑧, and ⑨ Fig. 13)
- 4) Unsolder the White Shielded leads and the six leads (① in Fig. 14 Violet, Brown, Black, Red and two Blue).



(Fig. 12)



(Fig. 13)



White Shielded Lead

(Fig. 14)

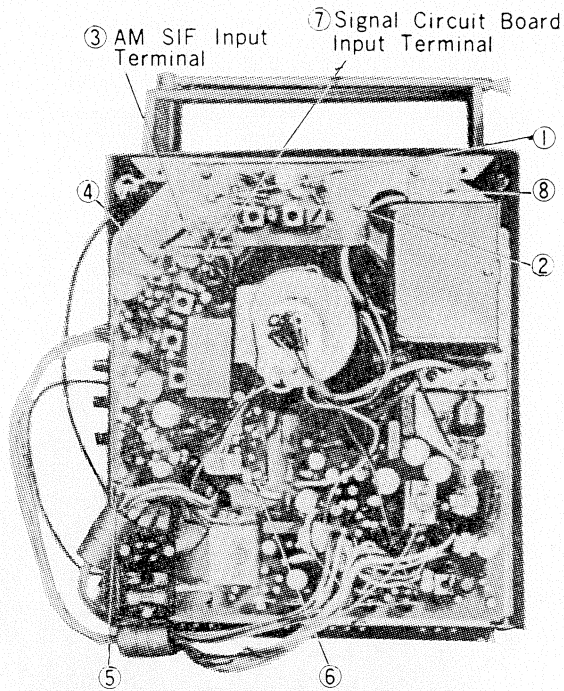


#### To Remove the Signal Circuit Board

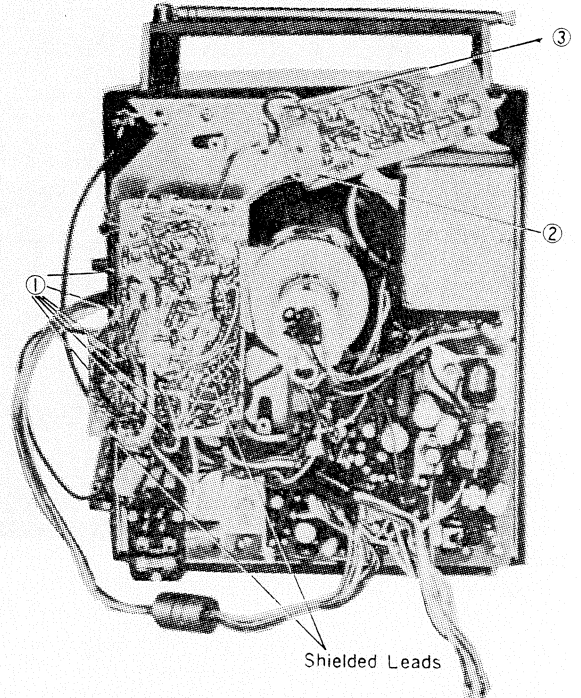
- 1) Remove the three Screws. (④, ⑤ and ⑥ in Fig. 15)
- 2) Pull out the Connector. (⑦ in Fig. 15)
- 3) Unsolder the two Gray Shielded leads and the six leads (① in Fig. 16, Yellow, Violet, Black, White and two Brown).

#### To Remove the AM-SIF Circuit Board

- 1) Remove the two Screws. (①, ② in Fig. 15)
- 2) Pull out the Connector. (③ in Fig. 15)
- 3) Unsolder the Brown leads and Gray leads. (② and ③ in Fig. 16)



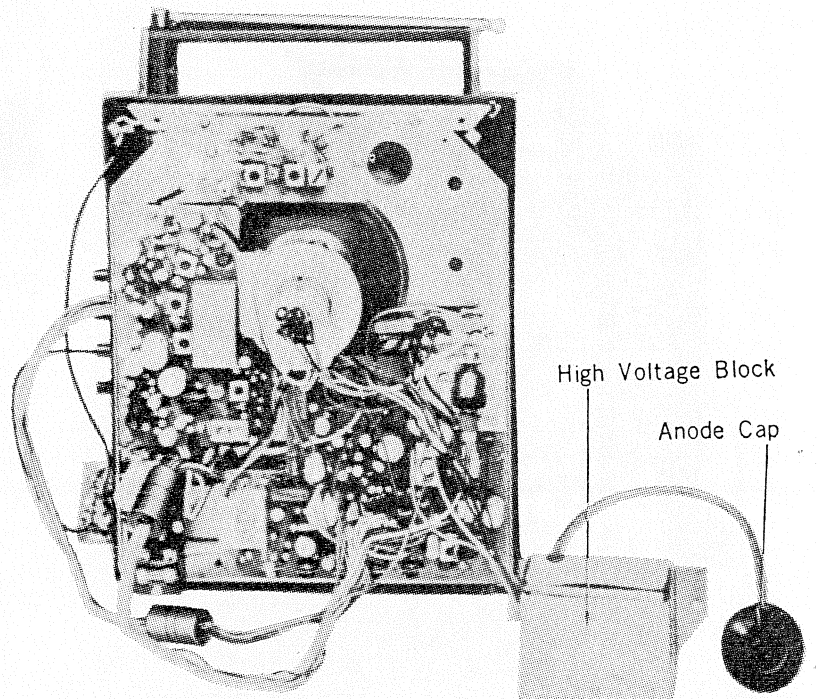
(Fig. 15)



(Fig. 16)

#### To Remove the High Voltage Block

- 1) Remove the Screw. (⑧ in Fig. 15)
- 2) Remove the Anode Cap.
- 3) Remove the five leads coming from High Voltage Block.

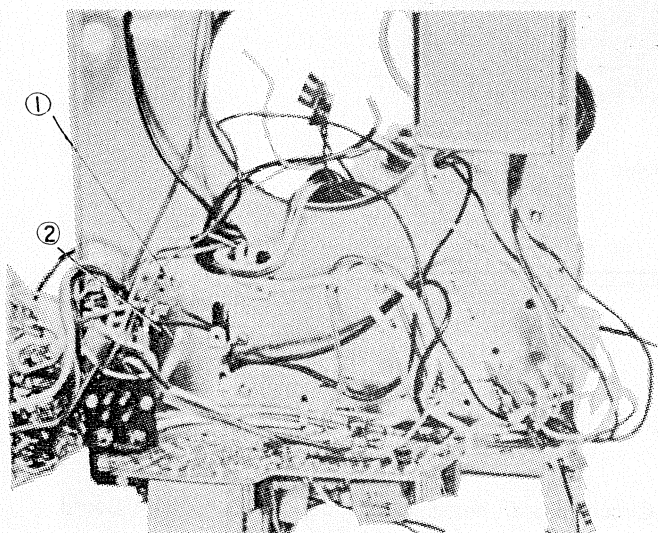
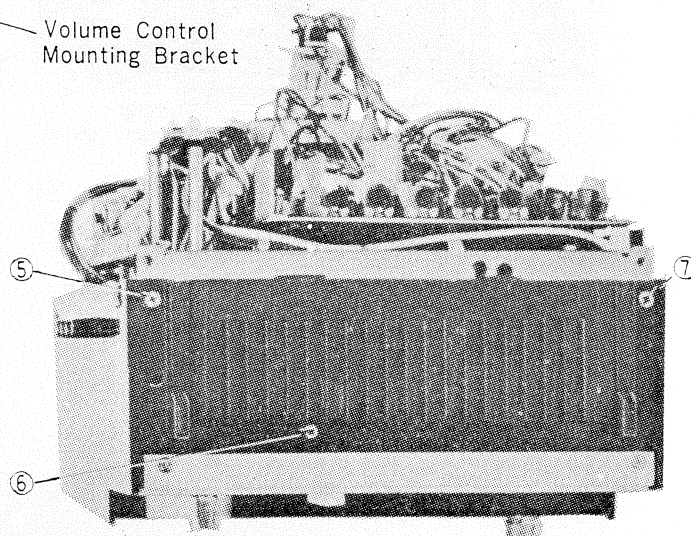
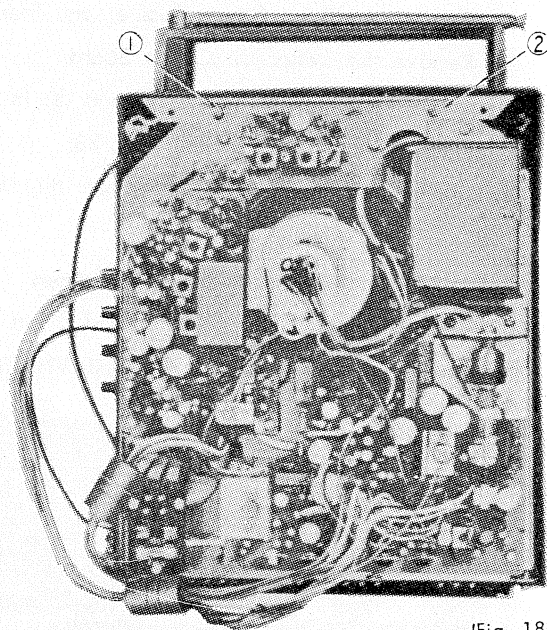
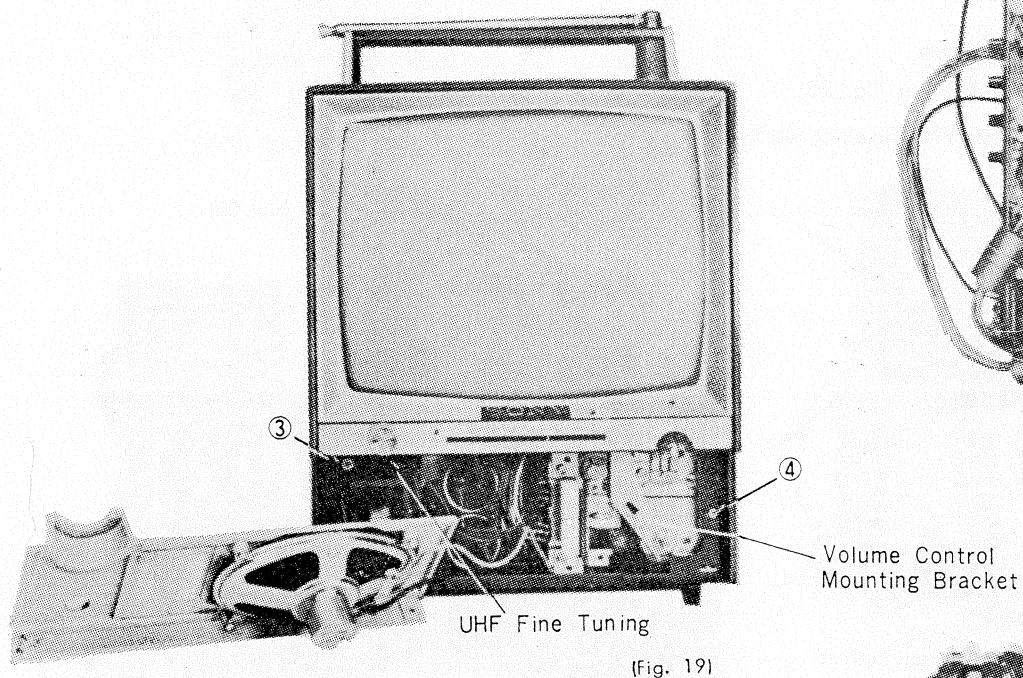


(Fig. 17)



### To Remove the Chassis from the Front Cabinet

- 1) Remove the Front Control Panel.
- 2) Pull out the UHF Fine Tuning Knob. (Fig. 18)
- 3) Remove the Seven Screws. (①~⑦ in Fig. 18, 19 and 20)
- 4) Remove the High Voltage Anode Cap from the Picture Tube.



### To Remove the VHF Tuner Block

- 1) Remove the Back Cover Cabinet and Front Cabinet.
- 2) Remove the Signal Circuit Board.
- 3) Remove the three Screws. (①, ② in Fig. 21)
- 4) Remove the Volume Control Mounting Bracket from the VHF Tuner. (Fig. 18)
- 5) Unsolder the Tuner Output leads and Tuner Input Cable (1.7 C-2 Co-axial Cable).
- 6) Unsolder the Yellow lead (for AGC) and the Brown lead (for B+). (Fig. 22)

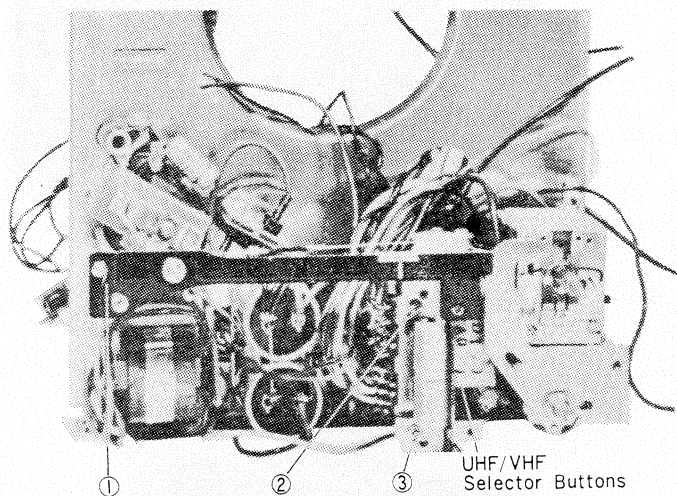
(Fig. 21)

### To Remove the UHF Tuner

- 1) Remove the Back Cover Cabinet and Front Cabinet.
- 2) Remove the Deflection Circuit Board.
- 3) Remove the two Screws. (① and ② in Fig. 24)
- 4) Remove the Screw. (① in Fig. 23)
- 5) Unsolder all the leads coming from the UHF Tuner.

### To Remove the UHF/VHF Selector Buttons

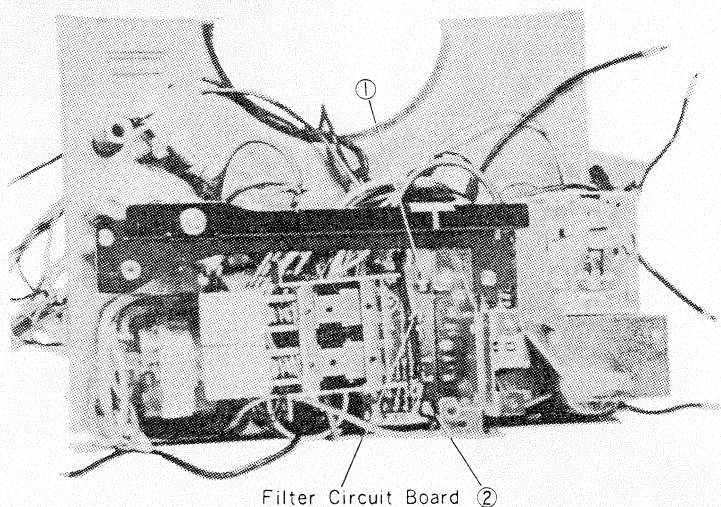
- 1) Remove the two Screws. (② and ③ in Fig. 23)
- 2) Unsolder all the leads on the UHF/VHF Selector Buttons.



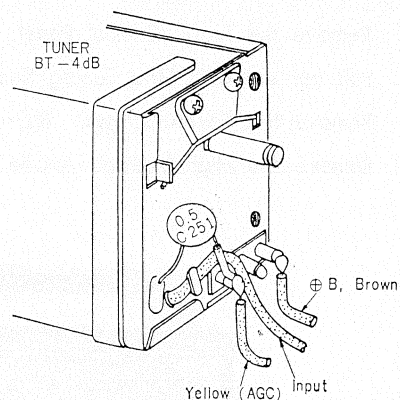
(Fig. 23)

### To Remove the Filter Circuit Board

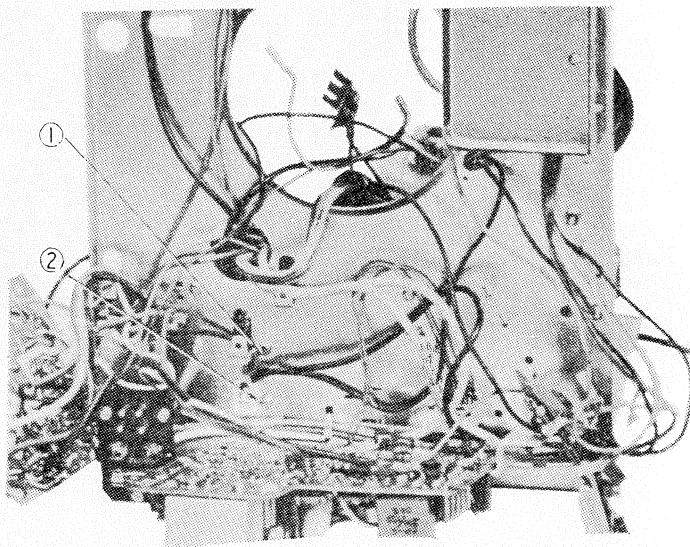
- 1) Remove the two Screws. (①, ② in Fig. 25)
- 2) Unsolder all the leads on the Filter Circuit Board.



(Fig. 25)



(Fig. 22)



(Fig. 24)

## Adjustment and Alignment

There are four Circuit Boards in the TV 9-306-UB, that is, Trap Circuit Board, VIF & FM SIF Circuit Board, AM SIF Circuit Board and Deflection Circuit Board.

When it is necessary to make adjustments for VIF & FM SIF Circuit Board, never fail to adjust Trap Circuit Board first.

## Adjustment of Filter Circuit

1. Connect a Sweep Generator and a Marker Generator to the Test Point of Tuner through a  $0.02\mu\text{F}$  condenser.
2. Set the TV to UHF.

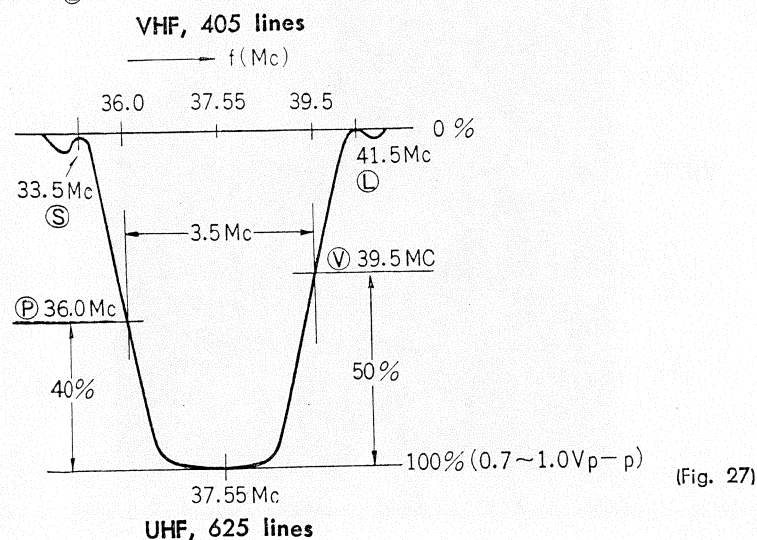
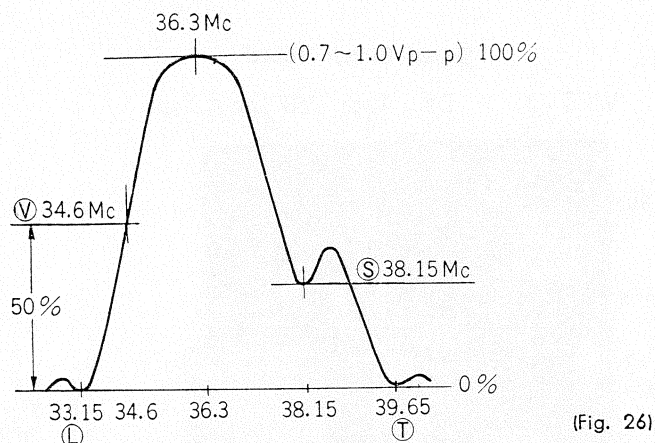
Step	Marker Gen. Freq.	Adjust	Correct Marker position on the response curve
1.	33.5 Mc	TRAP-5	Ⓢ in Fig. 27
2.	41.5 Mc	TRAP-6	Ⓛ in Fig. 27

Change the setting to VHF.

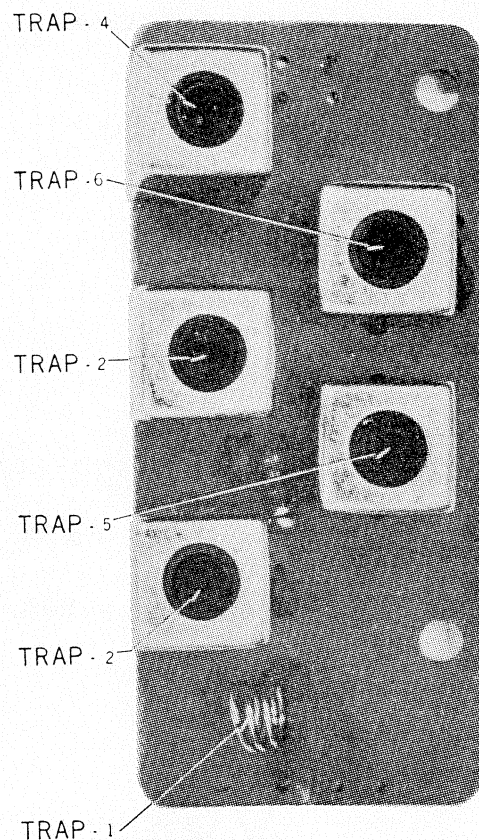
Step	Marker Gen. Freq.	Adjust	Correct Marker position on the response curve
3.	33.15 Mc	TRAP-4	Ⓛ in Fig. 26
4.	39.65 Mc	TRAP-3	Ⓣ in Fig. 26
5.	38.15 Mc	TRAP-2 & TRAP-3	Ⓢ in Fig. 26

If the curve cannot be made to resemble the response curve shown in Fig. 27, repeat the steps 3 to 5 for a satisfactory curve making sure that the Generator frequencies are accurate and adjustments are carefully made.

### VIF Standard Response Curve



### Filter Circuit Board



## Adjustment of VIF Circuit

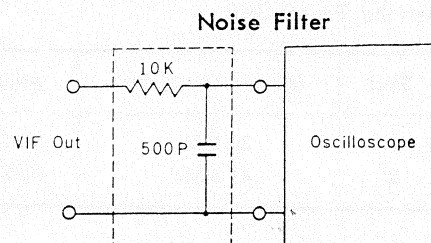
The VIF Adjustment must be performed after Trap Circuit Adjustment.

1. Remove the Tuner Output Cable from the Trap Circuit Board.  
Connect a Voltmeter across  $R_{307}$  ( $270\Omega$ ) and set the Adjustable Resistor ( $VR_{301}$ ,  $5K\Omega$ , for AGC Bias) so that the Voltmeter reads between 0.27 V and 0.3 V. Connect the Tuner Output Cable to the Trap Circuit Board as before.



2. Connect a Sweep Generator and a Marker Generator to the Test Point of the Tuner through a  $0.02\mu\text{F}$  capacitor.
3. Connect an Oscilloscope across  $R_{321}$  (VIF DET OUT) through a Noise Filter shown below.
4. Set the TV to UHF.

Step	Marker Gen. Freq.	Adjust	Correct Marker position on the response curve
1.	38 Mc	VIFT-4	Peak point in Fig. 28
2.	36 Mc	VIFT-2	40% point, (P) in Fig. 28
3.	39.5 Mc	VIFT-3	50% point, (V) in Fig. 28



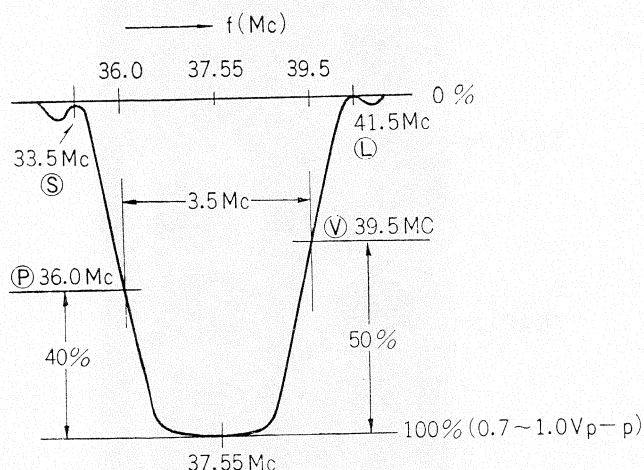
Repeat the above adjustments until the ideal response curve (peak point :  $0.7\text{--}1\text{ Vpp}$ ) shown in Fig. 28 is obtained. If the curve cannot be obtained, try to change the value of adjustment resistors,  $R_{308}$  ( $33\text{ K}\Omega$ ) and  $R_{319}$  ( $27\text{ K}\Omega$ ), on the Signal Circuit Board.

After the adjustment for UHF, change the setting of the TV from UHF to VHF. Usually the same response curve shown in Fig. 26, will be obtained without further adjustment.

Deliver a  $34.6\text{ Mc}$  signal from the Marker Generator and check that the marker is at  $50\pm 10\%$ . (V in Fig. 29) If the marker is out of the range, try to change the value of  $C_{321}$  ( $6\sim 10\mu\text{f}$ ) until a satisfactory curve is obtained. Make sure that the output level does not vary. ( $0.05\text{ V}$  across  $R_{307}$ )

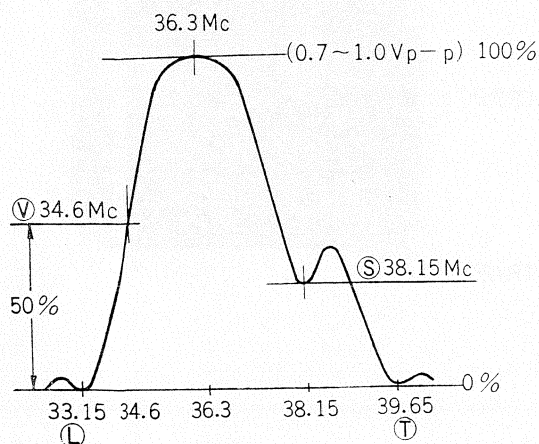
After the VHF Adjustment, readjust the UHF VIF Response Curve.

#### VIF Standard Response Curve



UHF, 625 lines

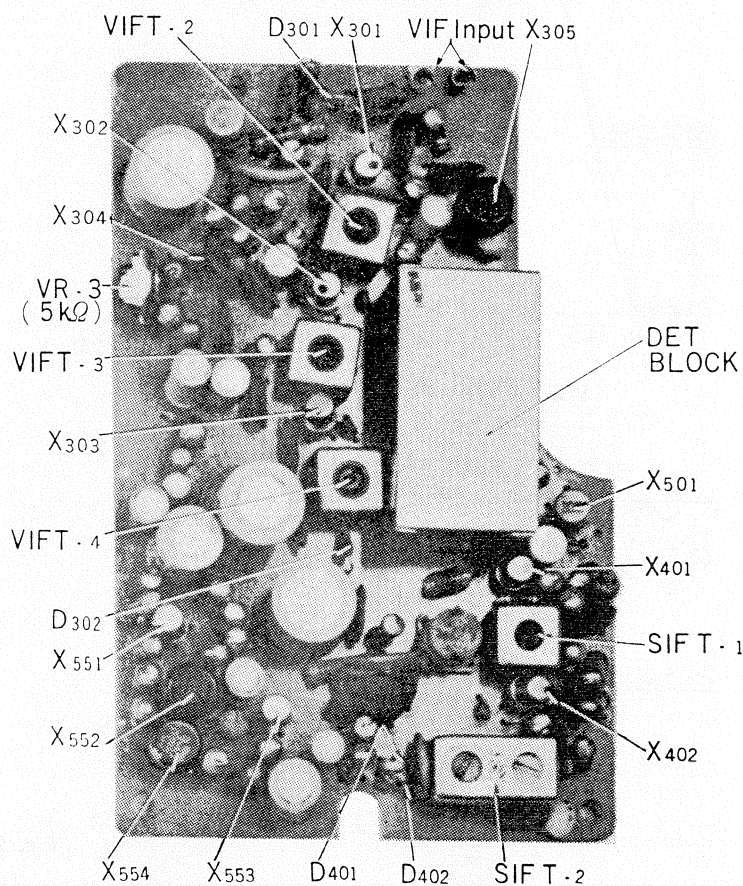
(Fig. 28)



VHF 405 lines

(Fig. 29)

#### Signal Circuit Board



#### Adjustment of AM-SIF Circuit

1. Disconnect the Tuner Output Cable and AM SIF Output Cable.
2. Connect a Sweep Generator and a Marker Generator to the AM SIF Input Connector.
3. Connect an Oscilloscope in parallel with a  $5\text{ K}\Omega$  resistor across  $C_{367}$ .
4. Deliver a  $39.5\text{ Mc}$  signal from the Marker Generator.

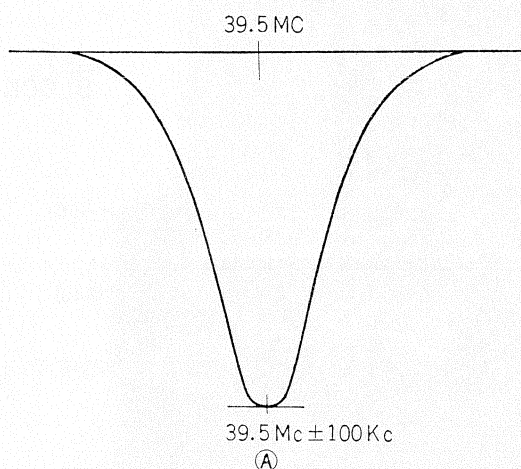


Step	Adjust
1.	TRAP-1 to position the marker on the top ① of the curve shown in Fig. 30.
2.	SIFT-1 and SIFT-2 for maximum curve while keeping the marker position to ①.

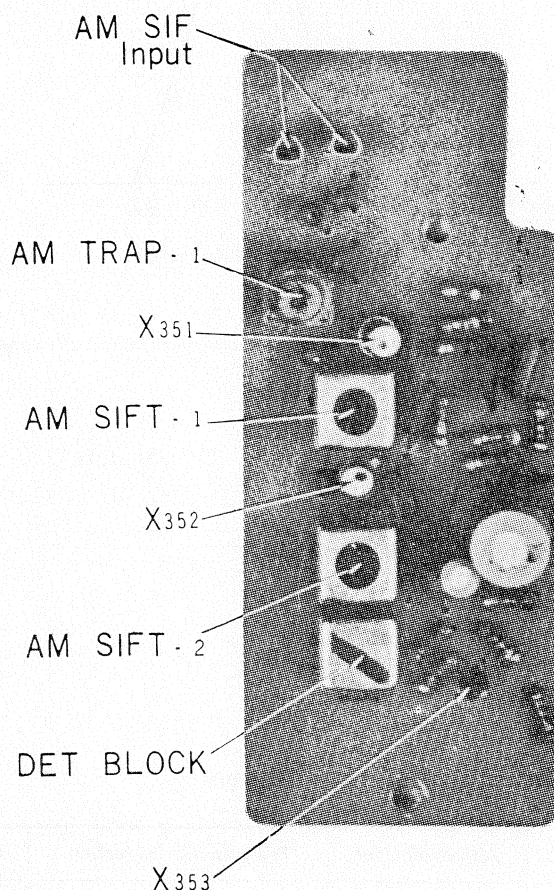
Repeat the above steps 1 and 2 until a satisfactory AM SIF curve is obtained.

#### AM•S F Circuit Board

#### AM•SIF Standard Response Curve



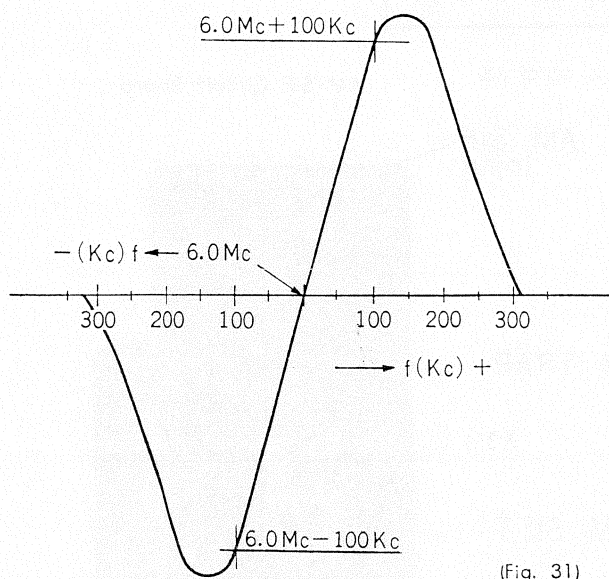
(Fig. 30)



#### Adjustment of FM•SIF Circuit

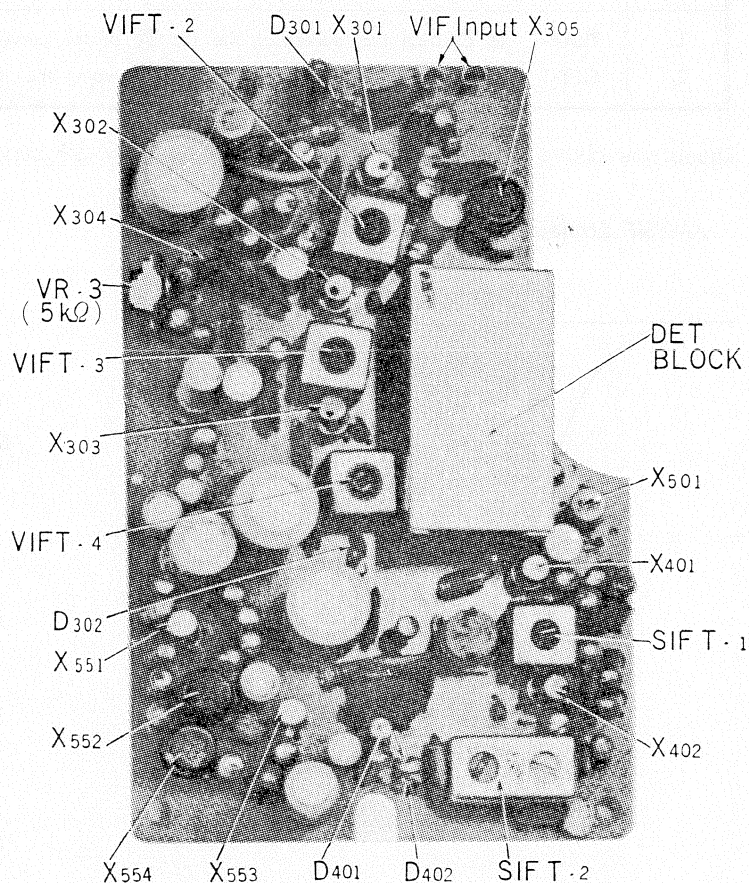
Step	Preparation	Adjust
1.	(1) Set the Brightness Control to the proper position and the Contrast Control to maximum. (2) Disconnect the Tuner Output Cable. (3) Set the TV to UHF. (4) Connect a Standard Signal Generator to the Video DET Output (across $R_{321}$ ) and deliver a 6 Mc signal. The 6 Mc stripes will appear on the Picture Tube.	TRAP-7 so that the 6 Mc stripes disappear from the Picture Tube.
2.	(1) Disconnect the Tuner Output leads. (2) Connect the Standard Signal Generator to the Video Detector Output Terminals. (3) Connect a Voltmeter between the junction of $R_{409} \sim C_{411}$ and ground. (4) Deliver a 6 Mc signal from the Signal Generator.	SIFT-1 and Primary winding of SIFT-2 (pink) for maximum reading on the Voltmeter.
3.	(1) Connect a Sweep Generator and a Standard Signal Generator across $R_{321}$ through a $1.5 K \Omega$ Resistor. (2) Connect a $5 K \Omega$ Resistor and an Oscilloscope across $C_{412}$ in parallel. (3) Deliver a 6 Mc (AM, MOD) Signal from the Signal Generator. (4) Set the Sweep Generator on. S curve will appear on the Oscilloscope (Fig. 31)	Secondary winding of SIFT-2 (blue) to obtain minimum modulated waveform.

## FM•SIF Standard Response Curve



(Fig. 31)

## Signal Circuit Board



## Adjustment of DEFLECTION Circuit

Step	Adjustment for	Preliminary Instruction	Equipment	Connection	Adjust	
1.	Collector Current of X <sub>502</sub> (VD OUT)	1) Set to free channel. 2) Check 12 V and 80 V Power Supply.	Voltmeter	Across R <sub>506</sub>	R <sub>510</sub> (12 KΩ) (15 KΩ)	for 80±1 V reading.
2.	Collector Current of X <sub>703</sub> (Vert. Out)	1) Lock in Sync. 2) Check 12 V Power Supply. 3) Set the Selector Switch to VHF.	Voltmeter	Across R <sub>712</sub>	VR <sub>702</sub> (Vert. Bias)	for 0.28 V reading.
3.	Vert. Height and Linearity	1) Receive a Test Pattern for VHF. 2) Check 12 V Power Supply. 3) Set the Selector Switch to VHF.			VR <sub>701</sub> & VR <sub>702</sub> (V. Height) (V. Lin.)	for optimum Vertical Height and Linearity on the pattern.
4.	Pulse Width	1) Lock in Sync. 2) Short out the Horizontal Stabilizer Coil. 3) Set the TV to UHF.	Oscilloscope	Emitter of X <sub>801</sub>	C <sub>806</sub> (0.022~ 0.068μF)	for Pulse width of 12.5~13.5μs.
5.	H. S. C.	1) Lock in Sync. 2) Receive a test Pattern (UHF). 3) Set the TV to UHF.			H. S. C.	Open the HSC terminals. (normal) Turn the slug of the HSC for most stable Picture in either case where HSC is shorted or normal.

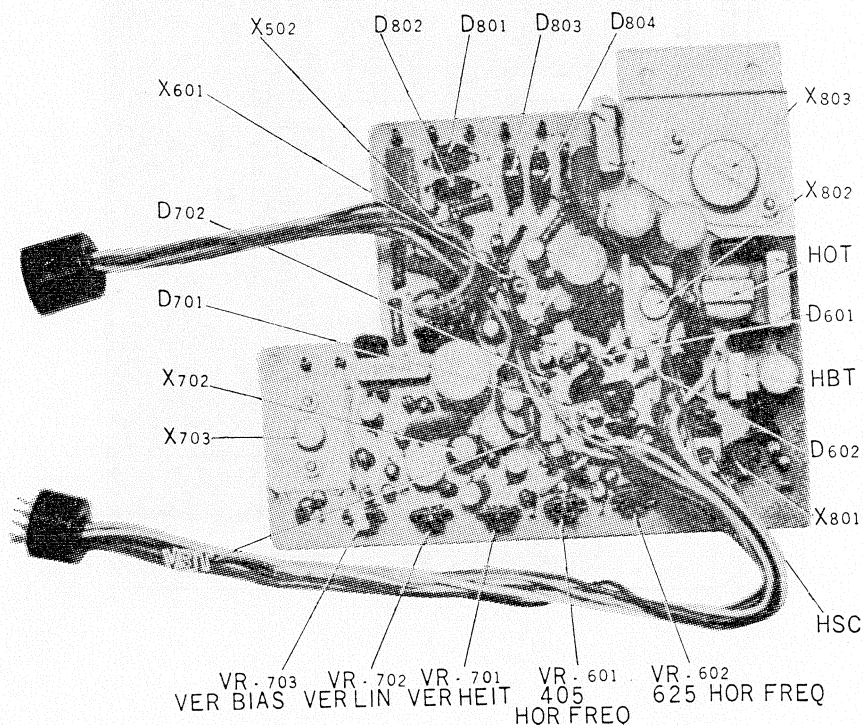
As the above adjustment steps, 4 and 5, have influence on each other, they must be performed by turns repeatedly for optimum results.

### Deflection Circuit Board

Step	Adjustment for	Preliminary Instruction	Equipment	Connection	Adjust	
6.	Collector Current for X <sub>802</sub> (H. DRIVE)	Lock in Sync.	Ammeter	Collector of X <sub>802</sub>	R <sub>805</sub> (1~20 ohm)	for $85 \pm 5$ mA reading
7.	Horizontal Frequency (VHF)	1) Set the Contrast & the Brightness Control Knobs to the optimum positions. 2) Set the TV to VHF. 3) Receive a test pattern (VHF).			VR-601	Adjust VR <sub>601</sub> so that the number of diagonal bars are almost same for both extreme clockwise and counter-clockwise settings of VR-4.
8.	Horizontal Frequency (UHF)	1) Set the Contrast & the Brightness Control Knobs to the optimum positions. 2) Set the TV to UHF. 3) Receive a test pattern. (UHF).			VR-602	Adjust VR <sub>602</sub> so that the number of diagonal bars are almost same for both extreme clockwise and counter-clockwise settings of VR-4.
	Focus	1) Lock in Sync. 2) Set the Contrast & the Brightness Control Knobs to the optimum positions.				Connect by soldering a white lead from the Picture Tube Socket to either terminal of the two on the 1~6 P Terminal Strip (to which a black and a red leads are soldered respectively), whichever gives best focus.

### British TV Standards

	VHF	UHF
Line Frequency (Horizontal)	10.125 Kc	15.625 Kc
Field Frequency (Vertical)	50 c/s	50 c/s
Number of Lines per Picture	405	625

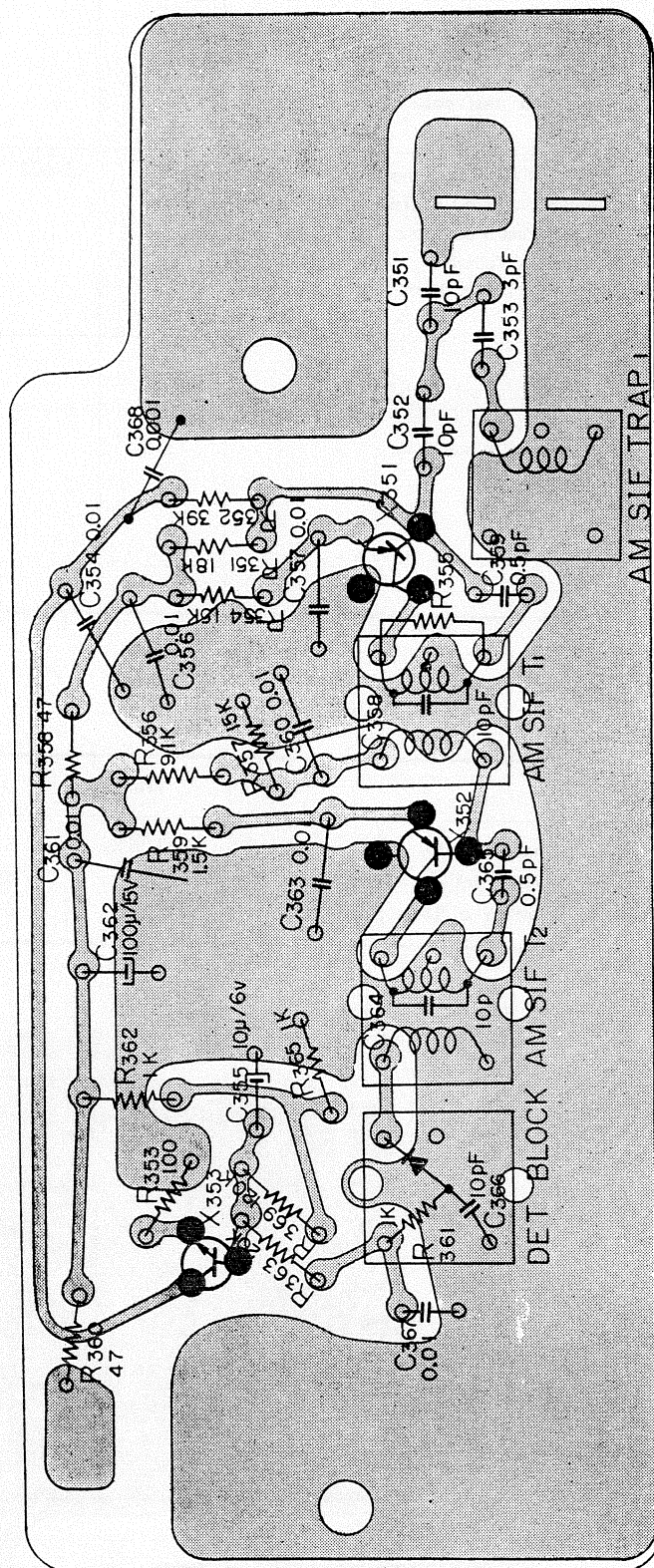




# Mounting Diagram

— Printed Side —

AF•SIF Circuit Board





—Parts Side—

—Printed Side—

## VIF: Input



### Push Button Switch

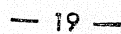
to Vid.AMP  
Sync.Sep

Sound Volume  
VR-1 (5K-T)

Sound Volume  
VP-1 (5K-T)

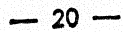
To Speaker

Signal Circuit Board



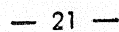


—Printed Side—  
Deflection Circuit Board





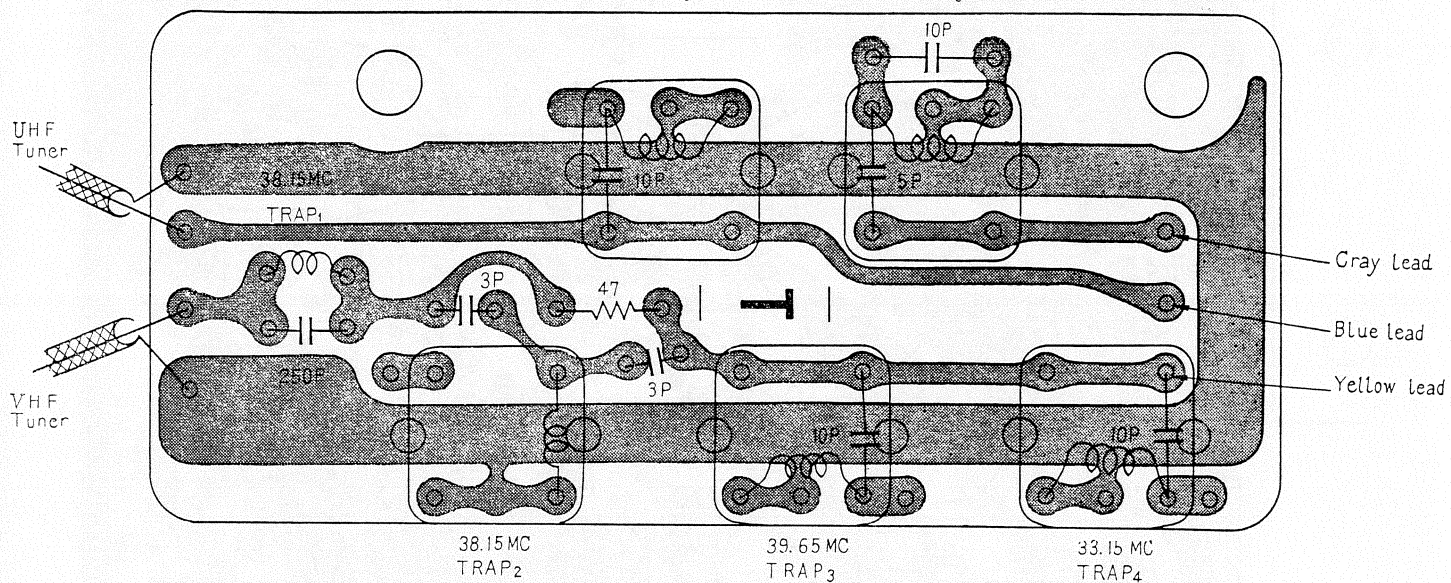
—Parts Side—  
Deflection Circuit Board



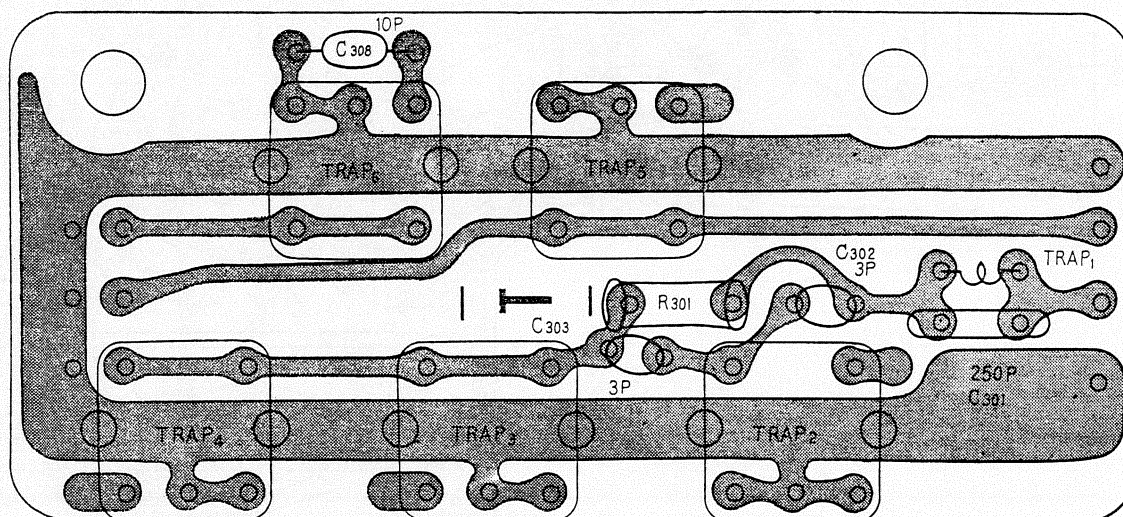
## Filter Circuit Board

33.50 MC  
TRAP<sub>5</sub>

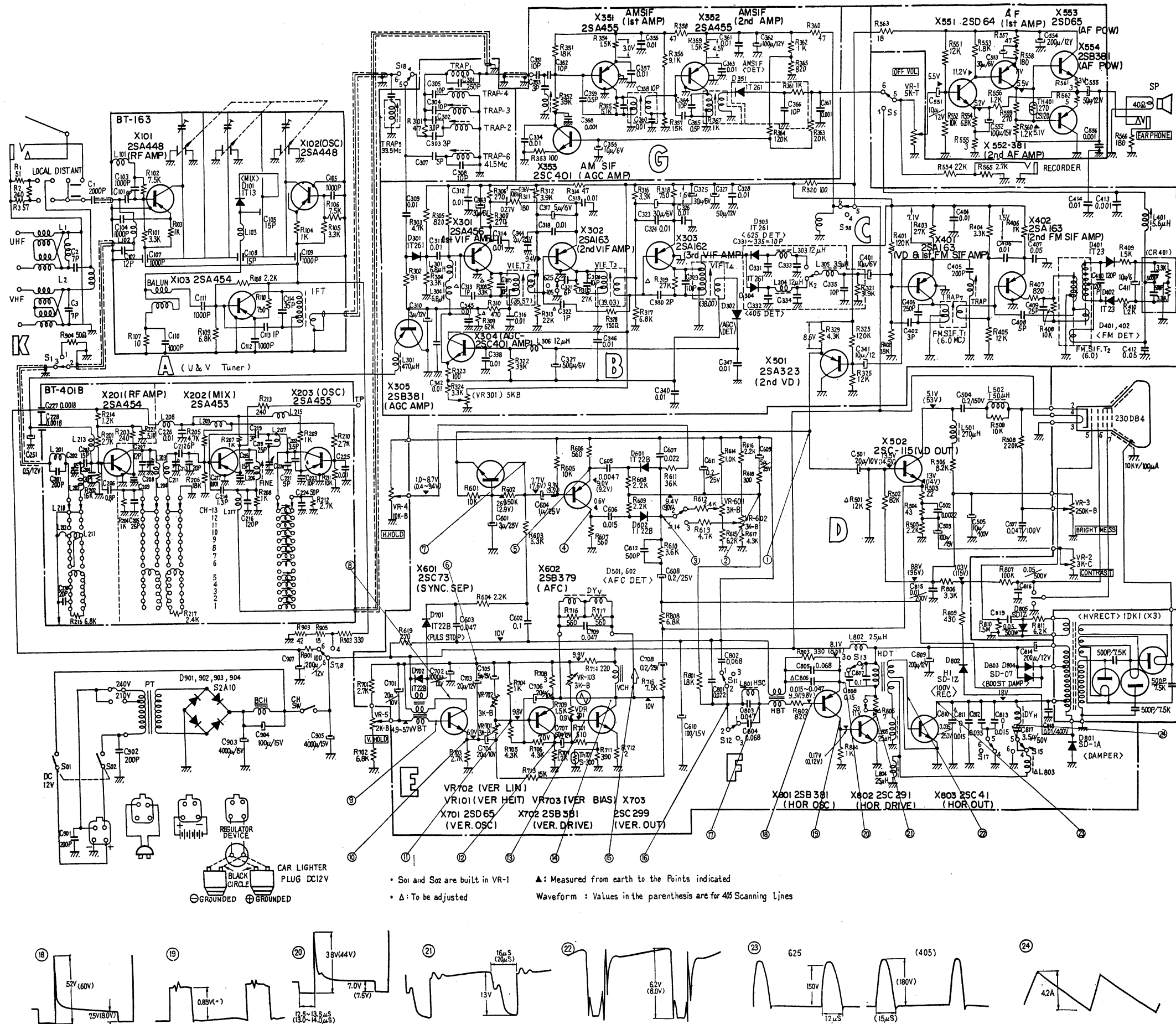
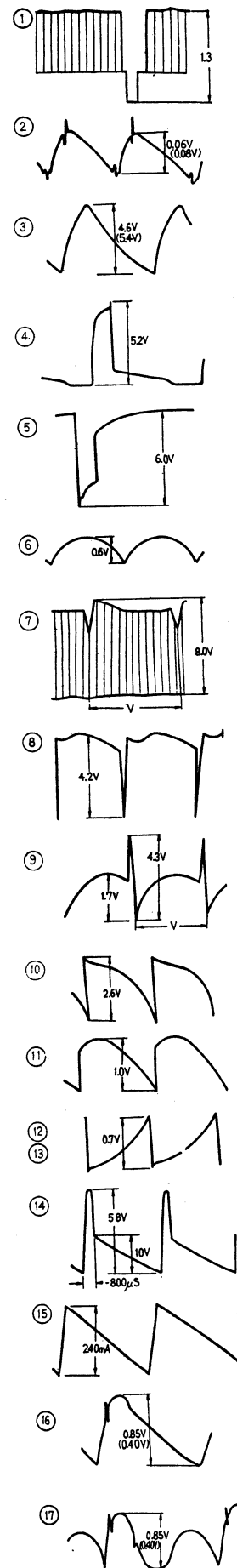
41.50 MC  
TRAP<sub>6</sub>



—Parts Side—



# Schematic Diagram





# Electrical Parts List

Part No.	Symbol No.	Description	Part No.	Symbol No.	Description
		<b>Transistor</b>	1-407-038-11	L <sub>304</sub>	Micro Inductor 12 $\mu$ H
X <sub>101</sub>		2SA448 (RF AMP)	-074-11	L <sub>305</sub>	" 3.9 $\mu$ H
X <sub>102</sub>		2SA448 (OSC)	-038-11	L <sub>306</sub>	" 12 $\mu$ H
X <sub>103</sub>		2SA454 (IF AMP)	-052-11	L <sub>307</sub>	" 470 $\mu$ H
X <sub>201</sub>		2SA454 (RF AMP)	-035-11	L <sub>401</sub>	" 5.6 $\mu$ H
X <sub>202</sub>		2SA453 (MIX)	-049-11	L <sub>501</sub>	" 270 $\mu$ H
X <sub>203</sub>		2SA455 (OSC)	-030-11	L <sub>502</sub>	" 150 $\mu$ H
X <sub>301</sub>		2SA456 (1st VIF AMP)	1-413-005-11	L <sub>801</sub>	Horizontal Peaking Coil
X <sub>302</sub>		2SA163 (2nd VIF AMP)	1-421-013-11	L <sub>802</sub>	RF Filter Choke Coil
X <sub>303</sub>		2SA162 (3rd VIF AMP)	1-459-002-11	L <sub>803</sub>	Width Coil
X <sub>304</sub>		2SC401 (AGC AMP)	1-421-013-11	L <sub>804</sub>	RF Filter Choke Coil
X <sub>305</sub>		2SB381 (AGC AMP)	-013-11	L <sub>805</sub>	"
X <sub>361</sub>		2SA455 (1st AMP)	1-409-070-11	Trap 1	Trap Coil
X <sub>362</sub>		2SA455 (2nd AMP)	-072-11	Trap 2	"
X <sub>363</sub>		2SC401 (AGC AMP)	-073-11	Trap 3	"
X <sub>401</sub>		2SA163 (VD & 1st FM SIF AMP)	-074-11	Trap 4	"
X <sub>402</sub>		2SA163 (2nd FM SIF AMP)	-075-11	Trap 5	"
X <sub>501</sub>		2SA 323 (2nd VD)	-076-11	Trap 6	"
X <sub>502</sub>		2SC115 (VD OUT)	-036-11	Trap 7	Sound Trap
X <sub>551</sub>		2SD64 (1st AF AMP)	-071-11	AM Trap	AM Sound Trap
X <sub>552</sub>		2SB381 (2nd AF AMP)	1-403-463-11	VIFT <sub>2</sub>	Video IF Transformer
X <sub>553</sub>		2SD65 (AF POW)	-464-12	VIFT <sub>3</sub>	"
X <sub>554</sub>		2SB381 (AF POW)	-465-12	VIFT <sub>4</sub>	"
X <sub>601</sub>		2SC73 (SYNC SEP)	-314-11	SIF <sub>1</sub>	Sound IF Transformer
X <sub>602</sub>		2SB379 (AFC)	-321-11	SIF <sub>2</sub>	"
X <sub>701</sub>		2SD65 (VER OSC)	-324-11	AM SIFT <sub>1</sub>	AM SIF Transformer
X <sub>702</sub>		2SB381 (VER DRIVE)	-325-11	AM SIFT <sub>2</sub>	"
X <sub>703</sub>		2SC299 (VER OVT)	-326-11	DET	Sound Detector Block
X <sub>801</sub>		2SB381 (HOR OSC)	1-435-008-11	VBT	Vertical Blocking Transformer
X <sub>802</sub>		2SC291 (HOR DRIVE)	-003-12		
X <sub>803</sub>		2SC41 (HOR OUT)	-009-11	HBT	Horizontal Blocking Transformer
		<b>Diode</b>	1-437-006-11	HDT	Horizontal Driver Transformer
D <sub>101</sub>		1T13	1-427-162-11	HOT	Horizontal Output Transformer
D <sub>301</sub>		1T261	1-441-206-11	PT	Power Transformer
D <sub>302</sub>		1T261	1-421-014-11	BCH	Filter Choke Coil for Power Supply
D <sub>303</sub>		1T261	-038-11	VCH	Vertical Output Choke Coil
D <sub>304</sub>		1T261			
D <sub>401</sub>		1T23			<b>Potentiometer</b>
D <sub>402</sub>		1T23	1-221-388-12	VR <sub>1</sub>	Sound Volume Control 5K $\Omega$ -T
D <sub>501</sub>		1T26	-404-12	VR <sub>2</sub>	Contrast Control 3K $\Omega$ -C
D <sub>601</sub>		1T22B	-429-11	VR <sub>3</sub>	Brightness Control 250K $\Omega$ -B
D <sub>602</sub>		1T22B	-297-12	VR <sub>4</sub>	Horizontal Hold Control 10K $\Omega$ -B
D <sub>701</sub>		1T22B	-403-11	VR <sub>5</sub>	Vertical Hold Control 2K $\Omega$ -B
D <sub>702</sub>		1T22B	-349-11	VR <sub>301</sub>	Variable Carbon Resistor
D <sub>801</sub>		SD-1A	-355-11	VR <sub>601</sub>	Vertical Frequency Control 3K $\Omega$ -B
D <sub>802</sub>		HFSD-12	-355-11	VR <sub>602</sub>	" 3K $\Omega$ -B
D <sub>803</sub>		SD-07	-355-11	VR <sub>701</sub>	Vertical Height Control 3K $\Omega$ -B
D <sub>804</sub>		SD-07	-355-11	VR <sub>702</sub>	Vertical Linearity Control 3K $\Omega$ -B
D <sub>805</sub>		SD-1A	-355-11	VR <sub>703</sub>	Vertical Bias Control 3K $\Omega$ -B
D <sub>901</sub>		1S921			<b>Resistor</b>
D <sub>902</sub>		1S921	1-203-414-00	R <sub>301</sub>	47 $\Omega$ $\frac{1}{8}$ W Carbon
D <sub>903</sub>		1S921	-470-00	R <sub>302</sub>	91 $\Omega$ $\frac{1}{16}$ W "
D <sub>904</sub>		1S921	-376-00	R <sub>303</sub>	4.7K $\Omega$ $\frac{1}{8}$ W "
		<b>Varistor</b>	-373-00	R <sub>304</sub>	3.3K $\Omega$ " "
1-800-021-11	VS	301-D18 $\times$ 2	1-201-017-00	R <sub>305</sub>	820 $\Omega$ $\frac{1}{4}$ W Composition
8-691-001-00	Th <sub>501</sub>	CS-120	1-203-359-00	R <sub>306</sub>	270 $\Omega$ $\frac{1}{8}$ W Carbon
8-960-005-00	Th <sub>701</sub>	S-300	-359-00	R <sub>307</sub>	270 $\Omega$ " "
		<b>Coil and Transformer</b>	-884-00	*R <sub>308</sub>	33K $\Omega$ $\frac{1}{16}$ W "
1-407-075-11	L <sub>301</sub>	Micro Inductor 6.8 $\mu$ H	1-204-008-00	*R <sub>309</sub>	62K $\Omega$ " "
-075-11	L <sub>302</sub>	" 6.8 $\mu$ H	1-203-361-00	R <sub>310</sub>	470 $\Omega$ $\frac{1}{8}$ W "
-038-11	L <sub>303</sub>	" 12 $\mu$ H	-831-00	R <sub>311</sub>	180 $\Omega$ " "

\* To be adjusted

Part No.	Symbol No.	Description	Part No.	Symbol No.	Description
1-203-374-00	R <sub>312</sub>	3.9K $\Omega$ $\frac{1}{8}$ W Carbon	1-203-411-00	R <sub>602</sub>	330K $\Omega$ $\frac{1}{8}$ W Carbon
-387-00	R <sub>313</sub>	22K " "	-373-00	R <sub>603</sub>	3.3K $\Omega$ " "
-414-00	R <sub>314</sub>	47 $\Omega$ " "	-370-00	R <sub>604</sub>	2.2K $\Omega$ " "
1-209-045-11	*R <sub>315</sub>	39K $\Omega$ $\frac{1}{16}$ W "	-383-00	R <sub>605</sub>	10K $\Omega$ " "
1-204-373-00	R <sub>316</sub>	3.3K $\Omega$ $\frac{1}{8}$ W "	-363-00	R <sub>606</sub>	560 $\Omega$ " "
-381-00	R <sub>317</sub>	6.8K $\Omega$ " "	-363-00	R <sub>607</sub>	560 $\Omega$ " "
-335-00	R <sub>318</sub>	750 $\Omega$ " "	-370-00	R <sub>608</sub>	2.2K $\Omega$ " "
1-203-889-00	*R <sub>319</sub>	27K $\Omega$ $\frac{1}{16}$ W "	-370-00	R <sub>609</sub>	2.2K $\Omega$ " "
-357-00	R <sub>320</sub>	100 $\Omega$ $\frac{1}{8}$ W "	-711-00	R <sub>610</sub>	3.6K $\Omega$ " "
-374-00	R <sub>321</sub>	3.9K $\Omega$ " "	-710-00	R <sub>611</sub>	36K $\Omega$ " "
-884-00	R <sub>322</sub>	33K $\Omega$ $\frac{1}{16}$ W "	-778-00	R <sub>612</sub>	2.4K $\Omega$ " "
-357-00	R <sub>323</sub>	100 $\Omega$ $\frac{1}{8}$ W "	-376-00	R <sub>613</sub>	4.7K $\Omega$ " "
-373-00	R <sub>324</sub>	3.3K $\Omega$ " "	-367-00	R <sub>614</sub>	1K $\Omega$ " "
1-204-400-00	R <sub>325</sub>	120K $\Omega$ " "	-380-00	R <sub>615</sub>	6.2K $\Omega$ " "
1-203-384-00	R <sub>326</sub>	12K $\Omega$ " "	-370-00	R <sub>616</sub>	2.2K $\Omega$ " "
-306-00	R <sub>327</sub>	4.3K $\Omega$ " "	-306-00	R <sub>617</sub>	43K $\Omega$ " "
-630-00	R <sub>351</sub>	18K $\Omega$ $\frac{1}{16}$ W "	1-204-043-00	R <sub>618</sub>	300 $\Omega$ " "
-635-00	R <sub>352</sub>	39K $\Omega$ " "	1-203-359-00	R <sub>619</sub>	270 $\Omega$ " "
-978-00	R <sub>353</sub>	100 $\Omega$ " "	-372-00	R <sub>701</sub>	2.7K $\Omega$ " "
-183-00	R <sub>354</sub>	15K $\Omega$ " "	-378-00	R <sub>702</sub>	6.8K $\Omega$ $\frac{1}{4}$ W "
-188-00	*R <sub>355</sub>	7.5K $\Omega$ " "	-372-00	R <sub>703</sub>	2.7K $\Omega$ $\frac{1}{8}$ W "
-626-00	R <sub>356</sub>	9.1K $\Omega$ " "	-367-00	R <sub>704</sub>	1K $\Omega$ " "
-192-00	R <sub>357</sub>	1.5K $\Omega$ " "	-306-00	R <sub>705</sub>	43K $\Omega$ " "
-478-00	R <sub>358</sub>	47 $\Omega$ " "	-306-00	R <sub>706</sub>	43K $\Omega$ " "
-183-00	R <sub>359</sub>	15K $\Omega$ " "	-368-00	R <sub>707</sub>	1.2K $\Omega$ " "
-478-00	R <sub>360</sub>	47 $\Omega$ " "	1-207-018-00	R <sub>708</sub>	3 $\Omega$ $\frac{1}{4}$ W Wire Wound
-182-00	R <sub>362</sub>	1K $\Omega$ " "	1-203-405-00	R <sub>709</sub>	1.5K $\Omega$ $\frac{1}{8}$ W Carbon
-699-00	R <sub>363</sub>	20K $\Omega$ " "	-316-00	R <sub>710</sub>	510 $\Omega$ " "
1-204-007-00	R <sub>364</sub>	120K $\Omega$ " "	-412-00	R <sub>711</sub>	390 $\Omega$ " "
-153-00	*R <sub>365</sub>	910 $\Omega$ " "	1-207-014-00	R <sub>712</sub>	2 $\Omega$ $\frac{1}{4}$ W Wire Wound
-400-00	R <sub>401</sub>	120K $\Omega$ $\frac{1}{8}$ W "	1-203-385-00	R <sub>713</sub>	15K $\Omega$ $\frac{1}{8}$ W Carbon
1-203-386-00	R <sub>402</sub>	18K $\Omega$ " "	-358-00	R <sub>714</sub>	220 $\Omega$ " "
-372-00	R <sub>403</sub>	2.7K $\Omega$ " "	-382-00	R <sub>715</sub>	7.5K $\Omega$ " "
-373-00	R <sub>404</sub>	3.3K $\Omega$ " "	-369-00	R <sub>801</sub>	1.8K $\Omega$ " "
-384-00	R <sub>405</sub>	12K $\Omega$ " "	-366-00	R <sub>802</sub>	820 $\Omega$ " "
-367-00	R <sub>406</sub>	1K $\Omega$ " "	-360-00	R <sub>803</sub>	330 $\Omega$ " "
-366-00	R <sub>407</sub>	820 $\Omega$ " "	-367-00	R <sub>804</sub>	1K $\Omega$ " "
-383-00	R <sub>408</sub>	10K $\Omega$ " "		*R <sub>805</sub>	
-405-00	R <sub>409</sub>	1.5K $\Omega$ " "	1-203-058-00	R <sub>806</sub>	3.3K $\Omega$ $\frac{1}{4}$ W "
-368-00	R <sub>410</sub>	1.2K $\Omega$ " "	-399-00	R <sub>807</sub>	100K $\Omega$ $\frac{1}{4}$ W Wire Wound
-384-00	*R <sub>501</sub>	12K $\Omega$ " "	-381-00	R <sub>808</sub>	6.8K $\Omega$ $\frac{1}{8}$ W Carbon
-397-00	R <sub>502</sub>	82K $\Omega$ " "	-011-00	R <sub>901</sub>	100 $\Omega$ $\frac{1}{4}$ W "
-352-00	R <sub>503</sub>	22K $\Omega$ " "	1-201-131-00	R <sub>902</sub>	330 $\Omega$ $\frac{1}{16}$ W Composition
-820-00	R <sub>504</sub>	43K $\Omega$ " "	1-207-101-11	R <sub>903</sub>	42 $\Omega$ 5W Wire Wound
-370-00	R <sub>505</sub>	2.2K $\Omega$ " "	1-204-048-11	R <sub>904</sub>	51 $\Omega$ $\frac{1}{16}$ W Carbon
-068-00	R <sub>506</sub>	8.2K $\Omega$ $\frac{1}{4}$ W "	1-209-149-11	R <sub>905</sub>	18 $\Omega$ 1W "
1-201-455-00	R <sub>507</sub>	1.5M $\Omega$ $\frac{1}{2}$ W "			<b>Capacitor</b>
1-203-109-00	R <sub>508</sub>	220K $\Omega$ $\frac{1}{4}$ W "	1-101-820-11	C <sub>301</sub>	250PF 50WV Ceramic
-069-00	R <sub>509</sub>	10K $\Omega$ " "	-011-11	C <sub>302</sub>	3PF " "
-384-00	R <sub>521</sub>	12K $\Omega$ $\frac{1}{8}$ W "	-011-11	C <sub>303</sub>	3PF " "
-383-00	R <sub>552</sub>	10K $\Omega$ " "	-061-11	C <sub>304</sub>	10PF " "
-369-00	R <sub>553</sub>	1.8K $\Omega$ " "	-061-11	C <sub>305</sub>	10PF " "
-381-00	R <sub>554</sub>	6.8K $\Omega$ " "	-061-11	C <sub>306</sub>	10PF " "
-704-00	R <sub>555</sub>	3 $\Omega$ " "	-012-11	C <sub>307</sub>	5PF " "
-368-00	R <sub>556</sub>	1.2K $\Omega$ " "	-061-11	C <sub>308</sub>	10PF " "
-414-00	R <sub>557</sub>	47 $\Omega$ " "	-004-11	C <sub>309</sub>	0.01 $\mu$ F " "
-831-00	R <sub>558</sub>	180 $\Omega$ " "	1-121-178-00	C <sub>310</sub>	3 $\mu$ F 12WV Electrolytic
-359-00	R <sub>559</sub>	270 $\Omega$ " "	1-101-004-11	C <sub>311</sub>	0.01 $\mu$ F 50WV Ceramic
-368-00	R <sub>560</sub>	1.2K $\Omega$ " "	-004-11	C <sub>312</sub>	0.01 $\mu$ F " "
-704-00	R <sub>561</sub>	3 $\Omega$ " "	-167-11	*C <sub>313</sub>	1.5PF " "
-717-00	R <sub>562</sub>	5 $\Omega$ " "	-004-11	C <sub>314</sub>	0.01 $\mu$ F " "
1-204-218-00	R <sub>563</sub>	18 $\Omega$ $\frac{1}{4}$ W "	-061-11	C <sub>315</sub>	10PF " "
1-203-383-00	R <sub>601</sub>	10K $\Omega$ $\frac{1}{8}$ W "			

\* To be adjusted

Part No.	Symbol No.	Description	Part No.	Symbol No.	Description
1-101-004-11	C <sub>316</sub>	0.01 $\mu$ F 50WV Ceramic	1-121-249-11	C <sub>501</sub>	20 $\mu$ F 10WV Electrolytic
1-121-106-00	C <sub>317</sub>	5 $\mu$ F 6WV Electrolytic	1-105-665-12	C <sub>502</sub>	0.0022 $\mu$ F 50WV Mylar
1-101-004-11	C <sub>318</sub>	0.01 $\mu$ F 50WV Ceramic	1-121-201-05	C <sub>503</sub>	100 $\mu$ F 15WV Electrolytic
-004-11	C <sub>319</sub>	0.01 $\mu$ F " "	1-113-124-11	C <sub>504</sub>	0.2 $\mu$ F 150WV Metalized Paper
-061-11	C <sub>320</sub>	10PF " "	1-121-126-01	C <sub>505</sub>	10 $\mu$ F 100WV Electrolytic
-093-11	C <sub>321</sub>	6PF " "	1-113-122-11	C <sub>506</sub>	0.05 $\mu$ F 500WV Metalized Paper
-076-11	*C <sub>322</sub>	0.5PF " "	1-105-721-12	C <sub>507</sub>	0.047 $\mu$ F 100WV Mylar
1-121-102-00	C <sub>323</sub>	30 $\mu$ F 6WV Electrolytic	1-121-118-00	C <sub>551</sub>	10 $\mu$ F 12WV Electrolytic
1-101-004-11	C <sub>324</sub>	0.01 $\mu$ F 50WV Ceramic	-201-05	C <sub>552</sub>	100 $\mu$ F 15WV "
1-121-102-00	C <sub>325</sub>	30 $\mu$ F 6WV Electrolytic	-102-00	C <sub>553</sub>	30 $\mu$ F 6WV "
1-101-004-11	C <sub>326</sub>	0.01 $\mu$ F 50WV Ceramic	-121-00	C <sub>554</sub>	200 $\mu$ F 12WV "
1-121-219-00	C <sub>327</sub>	500 $\mu$ F 12WV Electrolytic	-122-00	C <sub>555</sub>	50 $\mu$ F 12WV "
1-101-004-11	C <sub>328</sub>	0.01 $\mu$ F 50WV Ceramic	-232-11	C <sub>601</sub>	3 $\mu$ F 25WV "
-010-11	C <sub>330</sub>	2PF " "	1-105-685-12	C <sub>602</sub>	0.1 $\mu$ F 50WV Mylar
-061-11	C <sub>331</sub>	10PF " "	-681-12	C <sub>603</sub>	0.047 $\mu$ F " "
-061-11	C <sub>332</sub>	10PF " "	1-121-230-11	C <sub>604</sub>	1 $\mu$ F 25WV Electrolytic
-061-11	C <sub>333</sub>	10PF " "	1-105-669-12	C <sub>605</sub>	0.0047 $\mu$ F 50WV Mylar
-061-11	C <sub>334</sub>	10PF " "	-675-12	C <sub>606</sub>	0.015 $\mu$ F " "
-061-11	C <sub>335</sub>	10PF " "	-677-12	C <sub>607</sub>	0.022 $\mu$ F " "
1-121-161-00	C <sub>337</sub>	500 $\mu$ F 6WV Electrolytic	1-121-227-11	C <sub>608</sub>	0.2 $\mu$ F 25WV Electrolytic
1-101-004-11	C <sub>338</sub>	0.01 $\mu$ F 50WV Ceramic	-233-11	C <sub>609</sub>	5 $\mu$ F " "
-004-11	C <sub>339</sub>	0.01 $\mu$ F " "	-201-05	C <sub>610</sub>	100 $\mu$ F 15WV "
-004-11	C <sub>340</sub>	0.01 $\mu$ F " "	-227-11	C <sub>611</sub>	0.2 $\mu$ F 25WV "
1-121-118-00	C <sub>341</sub>	10 $\mu$ F 12WV Electrolytic	1-101-424-11	C <sub>612</sub>	500PF 250WV Ceramic
1-101-004-11	C <sub>342</sub>	0.01 $\mu$ F 50WV Ceramic	1-121-249-11	C <sub>701</sub>	20 $\mu$ F 10WV Electrolytic
1-121-102-00	C <sub>343</sub>	30 $\mu$ F 6WV Electrolytic	-186-11	C <sub>702</sub>	1000 $\mu$ F 12WV "
-250-00	C <sub>344</sub>	2 $\mu$ F 12WV "	-085-11	C <sub>703</sub>	20 $\mu$ F " "
1-101-061-11	C <sub>351</sub>	10PF 75WV Ceramic	-249-11	C <sub>704</sub>	20 $\mu$ F 10WV "
-061-11	C <sub>352</sub>	10PF " "	-233-11	C <sub>705</sub>	5 $\mu$ F 25WV "
-011-11	C <sub>353</sub>	3PF " "	-249-11	C <sub>706</sub>	20 $\mu$ F 10WV "
-004-11	C <sub>354</sub>	0.01 $\mu$ F " "	-188-05	C <sub>707</sub>	50 $\mu$ F 12WV "
1-121-104-00	C <sub>355</sub>	10 $\mu$ F 6WV Electrolytic	-227-11	C <sub>708</sub>	0.2 $\mu$ F 25WV "
1-101-004-11	C <sub>356</sub>	0.01 $\mu$ F 75WV Ceramic	1-105-677-12	C <sub>801</sub>	0.022 $\mu$ F 50WV Mylar
-004-11	C <sub>357</sub>	0.01 $\mu$ F " "	-683-12	C <sub>802</sub>	0.068 $\mu$ F " "
-076-11	C <sub>359</sub>	0.5PF " "	-681-12	C <sub>803</sub>	0.047 $\mu$ F " "
-004-11	C <sub>360</sub>	0.01 $\mu$ F " "	-683-12	C <sub>804</sub>	0.068 $\mu$ F " "
-004-11	C <sub>361</sub>	0.01 $\mu$ F " "	-683-12	C <sub>805</sub>	0.068 $\mu$ F " "
1-121-201-05	C <sub>362</sub>	100 $\mu$ F 15WV Electrolytic	-679-12	*C <sub>806</sub>	0.033 $\mu$ F " "
1-101-004-11	C <sub>363</sub>	0.01 $\mu$ F 75WV Ceramic	-685-12	C <sub>807</sub>	0.1 $\mu$ F " "
-076-11	C <sub>365</sub>	0.5PF " "	-687-12	C <sub>808</sub>	0.15 $\mu$ F " "
-455-11	C <sub>367</sub>	0.001 $\mu$ F " "	1-121-220-11	C <sub>809</sub>	200 $\mu$ F 12WV Electrolytic
-455-11	C <sub>368</sub>	0.001 $\mu$ F " "	1-105-298-11	C <sub>810</sub>	0.035 $\mu$ F 250WV Mylar
1-121-104-00	C <sub>401</sub>	10 $\mu$ F 6WV Electrolytic	-274-11	C <sub>811</sub>	0.01 $\mu$ F Mylar Block
1-101-011-11	C <sub>402</sub>	3PF 50WV Ceramic	-298-11	C <sub>812</sub>	0.035 $\mu$ F 250WV Mylar Block
1-103-029-11	C <sub>403</sub>	250PF 125WV Polystyrol	-274-11	C <sub>813</sub>	0.01 $\mu$ F Mylar Block
1-101-004-11	C <sub>404</sub>	0.01 $\mu$ F 50WV Ceramic	1-121-220-11	C <sub>814</sub>	200 $\mu$ F 12WV Electrolytic
1-103-010-11	C <sub>405</sub>	200PF 125WV Polystyrol	1-105-753-12	C <sub>815</sub>	0.01 $\mu$ F 200WV Mylar
1-101-004-11	C <sub>406</sub>	0.01 $\mu$ F 50WV Ceramic	1-113-122-11	C <sub>816</sub>	0.05 $\mu$ F 500WV Metalized Paper
-007-11	C <sub>407</sub>	0.05 $\mu$ F " "	1-109-015-11	C <sub>901</sub>	200PF " Mica
-012-11	C <sub>408</sub>	5PF " "	-015-11	C <sub>902</sub>	200PF " "
-818-11	C <sub>409</sub>	25PF " "	1-121-023-11	C <sub>903</sub>	4000 $\mu$ F 15WV Electrolytic
-819-11	C <sub>410</sub>	120PF " "	1-119-101-05	C <sub>904</sub>	100 $\mu$ F 12WV "
1-121-104-00	C <sub>411</sub>	10 $\mu$ F 6WV Electrolytic	1-121-023-11	C <sub>905</sub>	4000 $\mu$ F 15WV "
1-101-007-11	C <sub>412</sub>	0.05 $\mu$ F 50WV Ceramic	-220-11	C <sub>906</sub>	200 $\mu$ F 12WV "
-455-11	C <sub>413</sub>	0.001 $\mu$ F " "			

\* To be adjusted

Part No.	Description	Q'ty	Part No.	Description	Q'ty
Y-44041-21-1	Tuner Block UHF Tuner BT-163	1	1-538-302-11	AM SIF Block AM SIF Printed Circuit Board	1
Y-44045-65-1	VHF Tuner BT-401B	1	1-508-109-00	IF Terminal	2
73120999	Picture Tube 230DB4	1	1-409-071-11	AM Sound Trap	1

Part No.	Description	Q'ty	Part No.	Description	Q'ty
<b>Cabinet &amp; Appearance Items</b>			1-536-106-11	External Antenna Connector	(1)
1-507-075-11	2P Jack	1	4-004-541-01	Pin with Screw	(4)
-123-11	Antenna Jack	1	-542-01	Eyelet Nut	(4)
-902-11	Jack Nut	1	-544-02	Board for EAC-8	(1)
1-501-066-11	Telescopic Antenna Compl.	1	7-624-105-01	Stopping Ring	(4)
4-002-764-00	// Top Piece	(1)	<b>Deflection Yoke</b>		
-850-01	// Ass'y	(1)	1-451-010-11	Deflection Yoke	1
-840-01	Antenna Friction Ball	(1)	<b>High Voltage Block</b>		
-841-01	Disk	(1)	1-453-011-12	High Voltage Cage Block Ass'y	1
-842-01	Spring for Antenna Holding	(1)	4-004-531-02	High Voltage Cage	(1)
-843-01	Nylon Washer	(2)	-532-02	High Voltage Rectifier Cover	(1)
-844-01	Telescopic Antenna Holder	(1)	-533-01	H. V. Cage Holding Plate	(1)
-845-01	Pipe Metal Fitting	(1)	4-003-309-02	Core Holding Screw	(2)
4-004-538-01	Nut for Telescopic Ant. Holder	(1)	7-622-105-01	// Nut No.	(2)
-539-01	Telescopic Antenna Mt'g Shaft	(1)	7-621-261-41	+P3X6 for H. V. Cage	(2)
4-002-851-01	Lock Nut	(1)	-722-51	+ Tapping 3X8 for H. V.	
1-536-103-11	Antenna Terminal Board	1		Rectifier Cover	(1)
	Antenna Terminal Board Ass'y	(1)	1-427-162-11	Horizontal Output H.V.	
1-417-014-11	Antenna Mt'g Transformer	(1)		Transformer	(1)
-009-11	//	(1)	1-543-028-21	Ferrite Core	(1)
	RF Choke Coil L <sub>1</sub> , L <sub>2</sub>	(2)	1-525-073-03	H. V. Rectifier	(1)
1-101-633-11	Ceramic Capacitor 7PF		4-002-755-00	Contact Piece	(3)
	±0.5PF C <sub>1</sub> , C <sub>2</sub>	(2)	4-004-534-01	Anode Cap for H. V. Rectifier	(1)
-002-11	Ceramic Capacitor 0.002μF C <sub>3</sub>	(1)	1-526-109-11	Anode Connector for Picture Tube	(1)
1-203-910-11	Carbon Resistor RD $\frac{1}{16}$ 51 Ω		1-904-042-11	Nonframable Polyethylene Wire	150 mm
	R <sub>1</sub> , R <sub>3</sub>	(2)	1-536-047-11	E-Type Terminal	(4)
-911-11	Carbon Resistor RD $\frac{1}{16}$ 240 Ω R <sub>2</sub>	(1)	1-902-037-11	Nonframable Polyethylene Wire	150 mm
1-513-235-11	Slide Switch	(1)	4-003-310-11	12-20A Bobbin	(1)
4-004-544-02	Socket Spring Fixing Plate	(1)	4-004-547-02	Cover for H. V. Coil (A)	(1)
-545-01	Antenna Terminal Board	(1)	-548-02	// (B)	(1)
-546-01	Socket Spring	(4)	4-003-313-02	Bobbin for H. V. Coil	(1)
	Flat Head Solid River	(4)	4-004-535-01	Terminal Board	(1)
7-623-105-11	Washer	(2)	-536-01	PVC Grommet	(1)
			-537-02	Aluminium Spacer	(1)
<b>Main Block</b>			7-632-111-09	PVC Tube	(1)
1-502-126-11	Speaker	1	4-004-549-01	HV Lead Holding Fitting	(1)
-126-12			7-632-114-09	PVC Tube	(1)
1-508-044-13	9 Pole Connector	1	<b>Deflection Circuit Board Block</b>		
1-441-206-11	Power Transformer	1	1-538-304-11	Deflection Circuit Board	1
1-536-104-11	1-2P Lug Terminal Board	1	1-506-108-00	Circuit Connecting Pin	9
-105-11	1-3P //	2	1-508-044-12	9 Pole Connector (M)	1
1-514-180-11	Push Switch	1	1-507-134-13	// (F)	1
1-507-134-12	9 Pole Connector F	1	1-526-061-12	Socket for Picture Tube	1
1-513-216-11	Charging Switch	1	7-612-070-00	PVC Wire	350 mm
1-532-031-11	Fuse 0.2A	1		D Type Metal Fitting	1
1-530-013-11	Power Diode Ass'y	1		Mica Spacer for Power Transistor	1
	Silicon Diode D <sub>901</sub> , 902, 903, 904	(4)	<b>Video &amp; Sound Signal Circuit Board Block</b>		
4-001-040-00	Diode Mt'g Plate A	(1)	Y-40046-51-1	Video and Sound Signal Block	
-041-00	// B	(1)	1-538-301-11	Video and Sound Signal Circuit Board	1
-042-00	Insulator	(2)		Relay	1
7-621-259-25	+P2.6X4	3	1-507-109-00	IF Terminal	2
1-506-098-11	4 Pole Plug with Fuse Holder	1	1-101-536-11	Encapsulated Component CR <sub>401</sub>	1
<b>Accessory</b>			<b>Trap and Filter Block</b>		
Y-40046-57-1	Accessories Assembly	1	Y-40046-58-1	Trap and Filter Block	
4-004-162-01	Accessory Poly. Bag	(1)	1-538-303-11	Trap and Filter Circuit Board	1
1-534-272-11	AC Cord Set	(1)	1-506-101-00	Circuit Connecting Pin	4
1-504-010-02	Earphone	(1)			
X-40029-06-1	Spare Fuse Ass'y	(1)			
1-532-031-11	Fuse	(2)			



# Mechanical Parts List

Part No.	Description	Q'ty	Part No.	Description	Q'ty
<b>1. General</b>			4-002-635-00	Control Knob	4
	Tuner Block Completed, including	1	4-004-624-01	Push Button	2
Y-44041-21-1	UHF Tuner (BT-163)	(1)	<b>2-2 Main Block</b>		
Y-44045-65-1	VHF Tuner (BT-401B)	(1)	X-40046-08-1	Chassis Ass'y, including	1
Y-40046-51-1	Video & Sound Signal Block	1	4-004-619-02	Chassis	(1)
-53-1	Deflection Block	1	-621-1	Capacitor Holding Bracket	(1)
1-453-011-12	High Voltage Block	1	-523-02	Volume Control Mounting Bracket	(1)
1-451-010-11	Deflection Yoke	1	-524-02	4P Plug Fixing Spacer	(1)
Y-40046-52-1	Filter Block		-620-01	Switch Mounting Bracket	(1)
Y-40046-58-1	AM SIF Block		-618-01	UHF Scale Mounting Bracket Ass'y	(1)
<b>2. Mechanical Parts</b>			X-40046-06-1	Dial Block Ass'y	(1)
<b>2-1 Cabinet &amp; Appearance Block</b>			X-40032-19-1	Tuning Gear Ass'y	(1)
			4-402-104-01	Black Cushion (B)	1
X-40046-01-1	Cabinet Ass'y, including	1	<b>2-3 Deflection, Video &amp; Sound Signal Block</b>		
4-004-601-01	Cabinet	(1)	X-40045-01-1	Deflection Board Ass'y	1
-608-01	Dial Cover	(1)	4-004-501-01	Heat Sink for Hor. Power Transistor	(1)
-607-01	Decoration Panel	(1)	-502-01	Heat Sink for Tr. #229	(1)
4-003-205-21	Badge "SONY"	(1)	4-002-107-01	Heat Sink for Hor. Driver Transistor	(1)
-213-01	Nut for Front Panel Mounting	(2)	4-003-656-01	Heat Sink for Tr. #206	1
4-004-505-01	Cushion for Speaker Grille	(2)	4-004-635-01	Width Coil Mounting Bracket	1
-625-01	Foot (A)	(2)	X-40046-54-1	Video & Sound Signal Board Shielding Plate Ass'y	1
-623-01	Switch Mounting Plate	1	4-004-628-01	Shield Case for Video & Sound Signal Board	1
X-40046-02-1	Speaker Grille Ass'y, including	1	-634-01	Shield Case for Antenna Terminal Board	1
4-004-603-01	Speaker Grille	(1)	-637-02	Adiabatic Fiber	1
4-005-520-01	Speaker Net	(1)	<b>2-4 Accessories and Packing Materials</b>		
-627-01	Cushion for Switch Mounting Panel	(2)	4-004-525-02	Styro-foam Cushion (Right)	1
3-804-510-01	Speaker Mounting Bracket	(4)	-526-01	Styro-foam Cushion (Left)	1
X-40046-03-1	Rear Cover Ass'y, including	1	4-002-770-00	Polyethylene Bag	1
4-004-602-01	Rear Cover	(1)	4-004-631-00	Packing Carton	1
-626-01	Foot (B)	(2)	-632-01	Master Carton for 2 Sets	1
-616-01	Specification Label	1	X-44900-02-1	Polishing Cloth in Polyethylene Bag	1
-633-01	Picture Tube Neck Cover	1	4-495-107-10	Instruction for Use	1
4-003-214-01	Picture Tube Protector	1	X-40046-51-1	Card Ass'y	1
-215-02	Dust Proof Rubber	1	4-490-011-26	Serial No. Plate	1
X-40032-04-3	Picture Tube Mounting Bracket	1	<b>3. Screws, Washers and Miscellaneous</b>		
4-004-510-01	Wire Ring for Picture Tube Mounting	1	<b>3-1 Cabinet and Appearance Block</b>		
4-003-220-02	Picture Tube Grounding Spring	1	<b>Screws</b>		
-369-01	High Voltage Insulator	1	(Minimum Q'ty Ordering: 100 pcs)		
	mm		7-621-261-65	+P 3×10 (for Speaker Grille)	2
	Adhesive Tape	70	-261-45	// 3×6 (for Volume Control Mounting Bracket)	1
X-40046-04-1	Carrying Handle Ass'y, including	1	-268-55	// 4×8 (for Rear Cover)	2
4-004-511-11	Carrying Handle	(1)	-270-15	// 4×56 (for Rear Cover)	2
-512-01	Side Piece (Right)	(1)	-268-55	// 4×8 (for Chassis)	4
-513-01	Side Piece (Left)	(1)	-261-45	// 3×6 (for Picture Tube)	4
4-004-630-01	Attenuator Indicating Plate	(1)	-263-05	// 3×50 (for Picture Tube)	1
-514-01	Handle Reinforcement	1	-561-45	+K 3×6 (for UHF Scale Mounting Bracket)	1
4-003-666-01	Insulation Bushing	1	-261-55	+P 3×8 (for Switch Mounting Bracket)	1
-668-01	Antenna Terminal Lug	1	-261-65	// 3×10 (for Antenna Terminal)	1
4-004-622-01	Volume Control Mounting Bracket	1	-559-48	+K 2.6×6 (for Volume Control Mounting Bracket)	1
X-40046-05-1	Channel Selector Knob Ass'y, including	1	-262-75	+P 3×35 (for Resistor)	1
4-004-515-03	Channel Selector Knob	(1)	-261-25	// 3×4 (for Lug 1-3P)	1
-604-01	Channel Segment (A)	(1)			
-605-01	Channel Segment (B)	(1)			
4-003-839-01	Spring for Channel Selector Knob	(1)			
X-40045-05-1	Fine Tuning Knob Ass'y, including	1			
4-004-518-01	Fine Tuning Knob	(1)			
4-003-250-01	Spring for Fine Tuning Knob	(1)			
4-004-553-01	Fine Tuning Knob Spacer	1			
X-40045-06-1	Volume Control Knob Ass'y, including	1			
4-004-519-01	Volume Control Knob	(1)			
4-003-252-01	Spring for Volume Control Knob	(1)			
4-004-606-01	Tuning Knob	1			

Part No.	Description	Q'ty	Part No.	Description	Q'ty
7-621-721-73	<b>Self-Tapping Screws</b> (Minimum Q'ty Ordering: 100 pcs) +K 2.6×6 (for Switch Mounting Bracket)	2	7-623-208-22	3φ SW (for UHF Scale Mounting Bracket)	1
	-722-42 +R 3×6 (for Speaker)	4		(for VHF Tuner Mounting Bracket)	2
	-722-51 // 3×8 (for Picture Tube Neck Cover)	3		<b>Nut</b> (Minimum Q'ty Ordering: 100 pcs) 3φ (for UHF Scale Mounting Bracket)	1
	<b>Washers</b> (Minimum Q'ty Ordering: 100 pcs)			<b>3-3 Tuner Block</b>	
7-623-208-22	3φ SW	7		<b>Screw</b> (Minimum Q'ty Ordering: 100 pcs) +P 3×6	
-108-22	3φ W (large)	1	7-621-261-45	(for Switch Mounting Bracket)	2
-110-02	4φ W (small)	2		(for Switch Mounting)	2
-112-02	5φ W	1		(for UHF Scale Mounting Bracket)	2
-112-12	5φ SW	1		(for Tuning Shaft Mounting Bracket)	1
	<b>Nuts</b> (Minimum Q'ty Ordering: 100 pcs)			+P 2.6×25 (for UHF Tuner Mounting)	3
7-622-108-02	3φ (for Picture Tube)	2	4-402-254-01	+R 3×8 (for Deflection Circuit Board)	2
-108-02	3φ (for Antenna Terminal)	2	7-621-722-51		
-110-02	4φ (for Handle)	1		<b>Washer</b> (Minimum Q'ty Ordering: 100 pcs)	
-112-02	5φ (for Antenna Fixing)	1	7-623-208-22	3φ SW	
-312-02	5φ (for Antenna Fixing)	1		(for Switch Mounting Bracket)	2
	<b>3-2 Main Block</b>			(for UHF Scale Mounting Bracket)	2
	<b>Screws</b> (Minimum Q'ty Ordering: 100 pcs)			(for Tuning Shaft Mounting Bracket)	1
7-621-211-45	+P 3×6 (for Trap and Filter Circuit Board)	2		(for Switch Mounting)	2
-263-05	+P 3×50 (for 4P Plug)	3	7-621-713-17	<b>Set Screw</b> (Minimum Q'ty Ordering: 100 pcs) 3φ×3 (for VC Gear)	2
-261-45	// 3×6 (for Power Transformer), (for Selenium Rectifier)	2		<b>Eyelet</b> (Minimum Q'ty Ordering: 100 pcs) 1.5φ×3 (for Tension Spring)	1
-261-55	// 3×8 (for Electrolytic Capacitor Clamper) (for AM SIF Circuit Board)	2	7-623-611-00	<b>Retaining Ring</b> (Minimum Q'ty Ordering: 100 pcs)	
-261-25	// 3×4 (for Volume Control Mounting Bracket)	1	7-624-105-01	E-2.3φ (for Pulley)	2
-262-65	// 3×30 (for VHF Tuner Mounting Bracket)	2	-106-01	E-3φ (for Drive Shaft)	1
	<b>Self-Tapping Screws</b> (Minimum Q'ty Ordering: 100 pcs)		-107-01	E-3.2φ (for Tuning Drum)	1
7-621-722-42	+R 3×6 (for Lug 1-3P) (for Video and Signal Circuit Board) (for Deflection Circuit Board) (for High Voltage Block) (for Charging Switch)	1 3 2 1 2		<b>3-4 Deflection, Video &amp; Sound Signal Circuit Board Block</b>	
-722-51	+R 3×8 (for Picture Tube Neck Cover)	1		<b>Screws</b> (Minimum Q'ty Ordering: 100 pcs) +P 2×10 (for Transistor Mounting) // 3×10 ( " " )	2 4
	<b>Washer</b> (Minimum Q'ty Ordering: 100 pcs)			<b>Washers</b> (Minimum Q'ty Ordering: 100 pcs)	
7-623-208-22	3φ SW (for Power Transformer) (for Volume Control Mounting Bracket) (for Selenium Rectifier)	2 1 2	7-623-207-02	2.6φ SW (for RF Relay)	1
			-405-02	2φ (for Transistor Mounting External Tooth)	2
			-408-02	3φ (for Transistor Mounting External Tooth)	4
				<b>Nuts</b> (Minimum Q'ty Ordering: 100 pcs)	
			7-622-305-02	2φ (for Transistor Mounting)	2
			-207-02	2.6φ (for RF Relay)	1
			-408-02	3φ (for Transistor Mounting)	4

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